



No. 31



2 AUGUST 2003

UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Imagery and Mapping Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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**Visit the Maritime Safety Information Division website at  
<http://pollux.nss.nima.mil/>**



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## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Transportation), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use [NavNotices@nima.mil](mailto:NavNotices@nima.mil), for information affecting Sailing Directions and all other navigational publications use [SDPUBS@nima.mil](mailto:SDPUBS@nima.mil), for information concerning the Maritime Safety Information Website, use [webmaster\\_nss@nima.mil](mailto:webmaster_nss@nima.mil).

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated. Marine Information Report and Suggestion sheets received during the past week were submitted by the following observers:

<b>Observer</b>	<b>Ship/Organization</b>
ETCS(SS) Holstrom	COMSUBLANT

**Cover Photo:** The **USS KEARSARGE (LHD-3)** is the third in a series of seven *WASP* class multipurpose amphibious assault ships built by Ingalls Shipbuilding in Pascagoula, MS. **KEARSARGE** is the fourth ship to bear this name, with an historical lineage that dates back to the Civil War. Hers is one of only two names that Congress has mandated the US Navy will always have a ship named. Her principal mission is to embark, deploy, land and support a Marine landing force. The ship is specifically designed to accommodate Air Cushion Landing Craft (LCAC) for fast troop movement over the beach, and AV-8B Harrier aircraft to provide close-in air support for the assault force. **KEARSARGE** can also carry as many as 26 Navy/USMC helicopters for troop movement, air support and Search and Rescue Operations. The ship's extensive medical facilities include six fully-equipped operating rooms and a 600-bed hospital for combat support, as well as for humanitarian missions during peacetime. Commissioned 16 October 1993, the **KEARSARGE** is 844 feet in length, has a beam of 110 feet, a draft of 28 feet and can accommodate a crew of 1,009 sailors and 73 officers. During her recent deployment in support of Operation Enduring/Iraqi Freedom, the **KEARSARGE** served as the flagship for Commander, Amphibious Task Force EAST, and carried more than 1,700 Marines from the Second Marine Expeditionary Brigade to the Northern Arabian Gulf. The homeport of the **KEARSARGE** is Norfolk, Virginia.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 31/03**

# HYDROGRAM

**National Imagery and Mapping Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS

NEW PRODUCTS  
OR SERVICES

IMPORTANT  
CHANGES

**2 August 2003**

## **NEW EDITION OF SUMMARY OF CORRECTIONS**

SUMMARY OF CORRECTIONS FOR THE EASTERN PACIFIC, ANTARCTICA, INDIAN OCEAN AND AUSTRALASIA (SUBREGIONS 16 THRU 19, 21, 22 AND 29, REGIONS 6 AND 7), VOLUME 3, 2003 EDITION, IS READY FOR ISSUE. THIS EDITION IS PRODUCED BY NIMA IN DIGITAL FORMAT ONLY. SEE SECTIONS II AND III.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

★ indicates that it is based upon original U.S. source information.

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.

The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter N is not a part of the chart number.

The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.

Courses and bearings are given in degrees true.

Light sectors are expressed in degrees true from the vessel TOWARD the light.

The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.

The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.

**Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.

**Section I-3** lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NIMA List of Lights.

**Section II-5** lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

**SECTION I  
CHART CORRECTIONS**

**NM 31/03**

<b>411</b>	49Ed. 3/03	LAST NM 30/03	31/03	<b>★11342</b>	52Ed. 5/03	LAST NM 29/03	31/03
	Add	Wreck [K29] "Rep (2003)" (PA)	26°06'N 80°01'W		Add	Light "1" Fl G 6s 7ft (Priv)	29°44'03.8"N 93°52'28.5"W
		(24/03 CG7)				(25/03 CG8)	
<b>1116A</b>	Ed. 11/02	LAST NM 30/03	31/03	<b>★11344</b>	35Ed. 12/02	LAST NM 29/03	31/03
	Delete	Platform	28°46.5'N 92°05.1'W		Add	Tabulation of controlling depths from Subsection I-2	
						(NOS)	
	Add	Position circle "Pipe" (awash) [L23] (PA)	28°46.1'N 90°31.6'W	<b>★11347</b>	33Ed. 7/02	LAST NM 29/03	31/03
		(25/03 CG8)				<b>(Side A)</b>	
<b>1117A</b>	Ed. 4/03	LAST NM 30/03	31/03		Change	Legend to "32 FT FEB 2003"	30°06'09"N 93°18'45"W
	Delete	Legend "Obstn (3 1/2 fms)"	28°48.6'N 95°24.2'W			(See 6/03-11347)	
		Note: Danger circle "Obstn PD (Radioactive Material)" close E remains			Add	Tabulation of controlling depths from Subsection I-2	
	Change	Legend to "Obstn Fish Haven (cov 5 1/2 fms)"	28°46.5'N 95°20.9'W			<b>(Side B)</b>	
		(NOS)			Delete	Depth 37 feet	30°06'20.8"N 93°17'21.5"W
<b>11013</b>	44Ed. 1/19/02	LAST NM 25/03	31/03		Change	Legend to "32 FT FEB 2003"	30°06'21"N 93°18'25"W
	Change	Period of light to 6s	19°53.7'N 75°09.6'W			Legend to "36 FT MAR 2003"	30°06'26"N 93°17'13"W
	Add	Wreck [K29] "Rep (2003)" (PA)	26°06.2'N 80°01.2'W		Add	Tabulation of controlling depths from Subsection I-2	
		(24/03 CG7)				<b>(Side B, Inset 1)</b>	
<b>11300</b>	39Ed. 4/03	LAST NM 30/03	31/03		Delete	Depth 33 feet	30°13'17.8"N 93°16'43.7"W
	Delete	Legend "Obstn (3 1/2 fms)"	28°48.6'N 95°24.2'W		Change	Legend to "34 FT FEB 2003"	30°11'28.5"N 93°17'55.9"W
		Note: Danger circle "Obstn PD (Radioactive Material)" close E remains				Legend to "34 FT MAR 2003"	30°12'36.2"N 93°16'45.8"W
	Change	Legend to "Obstn Fish Haven (cov 5 1/2 fms)"	28°46.5'N 95°20.9'W			Legend to "27 FT MAR 2003"	30°13'24.0"N 93°16'41.7"W
		(NOS)				Legend to "34 FT FEB 2003"	30°13'35.2"N 93°14'39.2"W
						Legend to "29 FT FEB 2003"	30°13'58.9"N 93°14'44.8"W
<b>★11321</b>	29Ed. 12/15/01	LAST NM 23/03	31/03		Add	Depth 26 feet	30°13'54.2"N 93°14'41.1"W
	Change	Legend to "Obstn Fish Haven (auth min 33ft)"	28°47'36"N 95°21'24"W			(NOS)	
		(NOS)		<b>★11348</b>	19Ed. 8/25/01	LAST NM 27/03	31/03
<b>11323</b>	59Ed. 3/30/02	LAST NM 29/03	31/03			<b>(Side A)</b>	
	Add	Danger circle "Obstn" [K40] (PA)	29°20'36"N 94°44'48"W		Delete	Depth 37 feet	30°06'20.8"N 93°17'21.5"W
		(25/03 CG8)				(See 6/03-11348)	
<b>★11324</b>	32Ed. 3/16/02	LAST NM 30/03	31/03		Change	Legend to "32 FT FEB 2003"	30°06'21"N 93°18'25"W
	Add	Danger circle "Obstn" [K40] (PA)	29°20'35.8"N 94°44'48.2"W			Legend to "36 FT MAR 2003"	30°06'22"N 93°17'15"W
		(25/03 CG8)				(NOS)	
<b>11326</b>	31Ed. 10/02	LAST NM 30/03	31/03	<b>★11349</b>	40Ed. 7/02	LAST NM 27/03	31/03
		<b>(Page C)</b>			Add	Platform [L10]	29°06'17"N 92°23'38"W
	Add	Danger circle "Obstn" [K40] (PA)	29°20'36"N 94°44'48"W			(25/03 CG8)	
		(25/03 CG8)				<b>★11351</b>	38Ed. 3/03
<b>11330</b>	14Ed. 11/02	LAST NM 30/03	31/03			Change	Legend to "16 FT BY 400 FT FEB-APR 2003"
	Change	Legend to "Obstn Fish Haven (auth min 33ft)"	28°46.9'N 95°21.6'W				29°23'48"N 91°21'51"W
		(NOS)					Legend to "13 FT BY 400 FT MAY 2003"
<b>★11332</b>	28Ed. 8/02	LAST NM 25/03	31/03				29°18'28"N 91°26'14"W
	Delete	Platform	29°41'26"N 93°36'23"W				(See 20/03-11351)
		Platform	29°41'28"N 93°35'16"W				(NOS)
		Platform	29°41'31"N 93°34'38"W	<b>11352</b>	36Ed. 11/02	LAST NM 26/03	31/03
		(25/03 CG8)			Change	Legend to "16 FT BY 400 FT FEB-APR 2003"	
<b>★11340</b>	67Ed. 11/02	LAST NM 30/03	31/03			between	29°23.2'N 91°22.0'W
	Delete	Platform	28°46.5'N 92°05.1'W				29°25.4'N 91°20.0'W
						Legend to "13 FT BY 400 FT MAY 2003"	29°16.2'N 91°28.7'W
	Add	Position circle "Pipe" (awash) [L23] (PA)	28°46.1'N 90°31.6'W			(Supersedes 20/03-11352)	
		(25/03 CG8)				(NOS)	
<b>11341</b>	39Ed. 2/03	LAST NM 25/03	31/03	<b>★11353</b>	2Ed. 3/16/02	LAST NM 27/03	31/03
	Delete	Platform	29°41'29"N 93°36'23"W			<b>(Inset)</b>	
		Platform	29°41'30"N 93°35'16"W		Change	Legend to "20 FT CENTERLINE APR 2003"	29°16'12"N 89°21'01"W
		Platform	29°41'32"N 93°34'38"W			(Supersedes 45/02-11353)	
		(25/03 CG8)				(NOS)	
<b>11342</b>	39Ed. 2/03	LAST NM 25/03	31/03	<b>11354</b>	24Ed. 4/03	LAST NM 26/03	31/03
	Delete	Platform	29°41'29"N 93°36'23"W			<b>(Side A)</b>	
		Platform	29°41'30"N 93°35'16"W		Change	Legend to "16 FT BY 400 FT FEB-APR 2003"	
		Platform	29°41'32"N 93°34'38"W			Legend to "13 FT BY 400 FT MAY 2003"	29°23'38"N 91°22'00"W
		(25/03 CG8)					29°18'26"N 91°26'15"W
						(NOS)	

★11357 35Ed. 6/02 LAST NM 27/03 31/03  
 Add Position circle "Pipe" (awash) [L23] (PA) 28°46'08"N 90°31'38"W  
 (25/03 CG8)

★11361 70Ed. 4/03 LAST NM 30/03 31/03  
 Change Legend to "20 FT CENTERLINE APR 2003" 29°15'54"N 89°21'51"W  
 Legend to "19 FT CENTERLINE APR 2003" 29°15'00"N 89°21'15"W  
 (NOS)

★11370 23Ed. 9/22/01 LAST NM 26/03 31/03  
 (Side B)  
 Add Wreck [K29] (PA) 30°07'08.4"N 91°01'56.6"W  
 (25/03 CG8)

★11371 35Ed. 9/15/01 LAST NM 27/03 31/03  
 Change Visibility (range) of light from 4M to 6M 30°14'29"N 89°14'56"W  
 (25/03 CG8)

11372 30Ed. 11/02 LAST NM 27/03 31/03  
 (Side A)  
 Change Visibility (range) of light to 6M 30°14'29.2"N 89°14'56.2"W  
 (25/03 CG8)

11460 38Ed. 6/02 LAST NM 25/03 31/03  
 Add Wreck [K29] "Rep (2003)" (PA) 26°06.2'N 80°01.2'W  
 (24/03 CG7)

★11466 36Ed. 12/02 LAST NM 30/03 31/03  
 Add Wreck [K29] "Rep (2003)" (PA) 26°06'10"N 80°01'15"W  
 (24/03 CG7)

11469 5Ed. 5/19/01 LAST NM 23/03 31/03  
 Add Wreck [K29] "Rep (2003)" (PA) 26°06'10"N 80°01'15"W  
 (24/03 CG7)

11479 4Ed. 9/27/97 LAST NM N25/03 N31/03  
 Add Wreck [K29] "Rep (2003)" (PA) 26°06.2'N 80°01.2'W  
 (24/03 CG7)

11489 34Ed. 12/02 LAST NM 22/03 31/03  
 (Side A)  
 Add Buoy "44A" R, Fl R 6s (Navy) 30°47'07"N 81°29'31"W  
 Buoy "45A" G, Fl G 6s (Navy) 30°47'04"N 81°29'41"W  
 (24/03 CG7)

11493 9Ed. 2/3/01 LAST NM N22/03 N31/03  
 Add Buoy "44A" R, Fl R 6s (Navy) 30°47'07.2"N 81°29'31.2"W  
 Buoy "45A" G, Fl G 6s (Navy) 30°47'04.2"N 81°29'41.4"W  
 (24/03 CG7)

★11503 39Ed. 7/02 LAST NM 22/03 31/03  
 Add Buoy "44A" R, Fl R 6s (Navy) 30°47'07.2"N 81°29'31.2"W  
 Buoy "45A" G, Fl G 6s (Navy) 30°47'04.2"N 81°29'41.4"W  
 (24/03 CG7)

★14830 30Ed. 6/03 NEW EDITION 31/03  
 Change Period of light (Iso G) to 2s 42°00'36"N 82°46'48"W  
 (NOS; 24/01 CG9)

★14903 23Ed. 5/03 NEW EDITION 31/03  
 (NOS)

★14912 17Ed. 5/03 NEW EDITION 31/03  
 (NOS)

★14913 18Ed. 5/03 NEW EDITION 31/03  
 Delete Note "Q G" 44°54'12"N 85°24'40"W  
 (NOS)

16011 35Ed. 12/2/00 LAST NM 29/03 31/03  
 Relocate Buoy "BB" from 55°06.2'N 163°29.0'W to 55°05.8'N 163°30.5'W  
 (25/03 CG17)

16520 21Ed. 4/15/89 LAST NM 2/03 31/03  
 Relocate Buoy "BB" from 55°06'12"N 163°29'25"W to 55°05'49"N 163°30'32"W  
 (25/03 CG17)

★16535 12Ed. 11/18/00 LAST NM 21/03 31/03  
 Relocate Buoy "BB" from 55°06'12"N 163°29'25"W to 55°05'49"N 163°30'32"W  
 Buoy "1" from 55°05'42"N 163°28'32"W to 55°05'23"N 163°29'41"W  
 Buoy "2" from 55°05'31"N 163°29'16"W to 55°05'18"N 163°29'50"W  
 (25/03 CG17)

★17360 33Ed. 5/03 NEW EDITION 31/03  
 (NOS)

18749 38Ed. 12/1/01 LAST NM 28/03 31/03  
 Change Light to "E" Fl 4s 15ft 6M 33°42'32.9"N 118°16'18.7"W  
 Add Light "D" Fl 3s 15ft 4M (Priv) 33°42'34.2"N 118°16'10.8"W  
 (22/03 CG11)

★18751 42Ed. 12/1/01 LAST NM 28/03 31/03  
 Change Light to "E" Fl 4s 15ft 6M 33°42'32.9"N 118°16'18.7"W  
 Add Light "D" Fl 3s 15ft 4M (Priv) 33°42'34.2"N 118°16'10.8"W  
 (22/03 CG11)

21601 4Ed. 6/17/95 LAST NM 14/02 31/03  
 Add Submarine cable [L30.1] joining 8°56.0'N 79°32.7'W  
 8°55.6'N 79°26.5'W  
 8°46.1'N 79°15.0'W  
 Submarine cable [L30.1] joining 8°55.8'N 79°31.3'W  
 8°55.5'N 79°29.8'W  
 8°54.8'N 79°27.1'W  
 8°50.7'N 79°22.6'W  
 8°49.7'N 79°21.9'W  
 8°38.5'N 79°21.5'W  
 8°14.9'N 79°20.5'W  
 7°27.3'N 79°25.2'W  
 (NTM0018/2003)

21603 9Ed. 3/20/99 LAST NM 5/03 31/03  
 Add Submarine cable [L30.1] joining 8°56'02"N 79°32'42"W  
 8°55'47"N 79°27'07"W  
 8°55'41"N 79°26'43"W  
 8°55'39"N 79°26'30"W  
 Submarine cable [L30.1] joining 8°56'01"N 79°32'42"W  
 8°55'50"N 79°31'18"W  
 8°55'27"N 79°29'49"W  
 8°54'46"N 79°27'04"W  
 8°54'26"N 79°26'30"W  
 (NTM0018/2003)

21605 7Ed. 7/29/95 LAST NM 19/02 31/03  
 Add Submarine cable [L30.1] joining 8°56.0'N 79°31.5'W  
 8°55.6'N 79°26.5'W  
 8°44.4'N 79°13.0'W  
 7°52.6'N 79°11.5'W  
 7°44.0'N 79°01.0'W  
 7°40.7'N 78°59.9'W  
 7°37.8'N 78°57.0'W  
 7°34.4'N 78°57.8'W  
 7°33.3'N 78°57.4'W

(continued on next page)

## SECTION I

NM 31/03

<b>21605</b>	(Continued)				
	Submarine cable [L30.1] joining	8°55.8'N 79°31.3'W			
		8°55.5'N 79°29.8'W			
		8°54.8'N 79°27.1'W			
		8°50.7'N 79°22.6'W			
		8°49.7'N 79°21.9'W			
		8°38.5'N 79°21.5'W			
		8°14.9'N 79°20.5'W			
		8°07.5'N 79°19.8'W			
		7°56.6'N 79°19.3'W			
		7°40.5'N 79°18.9'W			
		7°38.0'N 79°19.2'W			
		7°29.3'N 79°18.4'W			
	(NTM0018/2003)				
<b>22221</b>	20Ed. 8/31/96 LAST NM 12/03		31/03		
	(Plan D)				
	Add Danger circle "Foul Rep (2003)" [K31]	23°37'14.4"S 70°24'23.4"W			
	(NTM0004/2003)				
<b>22222</b>	1Ed. 4/14/90 LAST NM 12/03		31/03		
	Add Danger circle "Foul Rep (2003)" [K31]	23°37'14"S 70°24'23"W			
	(NTM0004/2003)				
<b>24050</b>	11Ed. 10/18/97 LAST NM 20/03		31/03		
	Relocate Buoy from 35°37.7'S 55°52.0'W to 35°37.4'S 55°51.9'W and change shape to spherical				
	(19(2089)03 Taunton)				
<b>24133</b>	6Ed. 10/26/96 LAST NM 6/01		31/03		
	Change Light to Fl 6s 6m 8M	25°29'56"S 48°29'17"W			
	Characteristic of light to Fl 5s	25°29'19"S 48°25'50"W			
	(10(44)03 Rio de Janeiro)				
<b>24202</b>	6Ed. 11/30/85 LAST NM 18/01		31/03		
	Add Buoy Y, pillar, "X" topmark, Fl Y 5s [Q130.6]	12°46'49"S 38°29'56"W			
	(See 43/92-24202)				
	(10(46)03 Rio de Janeiro)				
<b>24430</b>	5Ed. 8/7/93 LAST NM 11/03		31/03		
	Change Period of light to 12s	10°50.3'N 64°09.4'W			
	(46/03 Caracas)				
<b>24431</b>	14Ed. 4/1/95 LAST NM 39/02		31/03		
	Change Period of light to 12s	10°50'28"N 64°09'23"W			
	(Plan B)				
	Change Period of light to 12s	10°50'28"N 64°09'23"W			
	(46/03 Caracas)				
<b>24482</b>	2Ed. 6/3/95 LAST NM 49/02		31/03		
	(Panel B)				
	Add Depth 8.5 meters and relocate depth contour (10-meter) close E to include position	10°39'20"N 71°35'19"W			
	(45/03 Caracas)				
<b>24484</b>	3Ed. 10/3/98 LAST NM 49/02		31/03		
	(Panel A)				
	Add Depth 8.5 meters and relocate depth contour (10-meter) close E to include position	10°39'20.0"N 71°35'18.8"W			
	(45/03 Caracas)				
<b>25017</b>	5Ed. 10/30/93 LAST NM 25/03		31/03		
	Delete Light	18°06'30"N 65°22'30"W			
	(24/03 CG7)				
<b>25018</b>	9Ed. 7/28/01 LAST NM 25/03		31/03		
	Delete Light	18°06'31"N 65°22'33"W			
	(24/03 CG7)				
<b>25640</b>	40Ed. 4/6/02 LAST NM 25/03		31/03		
	Delete Light	18°06'30"N 65°22'33"W			
	(24/03 CG7)				
<b>★25649</b>	18Ed. 11/2/96 LAST NM 4/03		31/03		
	Add Depth 26 feet Wk [K26]	18°19'35.0"N 64°57'04.9"W			
	Depth 25 feet Obstn [K41]	18°19'36.0"N 64°57'29.1"W			
	(NOS)				
<b>★25650</b>	33Ed. 3/9/02 LAST NM 30/03		31/03		
	Delete Light	18°06'30"N 65°22'33"W			
	(24/03 CG7)				
<b>26100</b>	4Ed. 8/19/95 LAST NM 30/01		31/03		
	Change Period of light to 6s	19°53'40"N 75°09'37"W			
	(24/03 CG7)				
<b>26218</b>	2Ed. 9/14/96 LAST NM 20/01		31/03		
	Change Period of light to 6s	19°53'40"N 75°09'37"W			
	(24/03 CG7)				
<b>26219</b>	5Ed. 9/21/96 LAST NM 30/01		31/03		
	Change Period of light to 6s	19°53'40"N 75°09'37"W			
	(24/03 CG7)				
<b>26229</b>	11Ed. 5/6/95 LAST NM 17/02		31/03		
	Change Period of light to 6s	19°53'40"N 75°09'38"W			
	(24/03 CG7)				
<b>★26230</b>	12Ed. 1/28/95 LAST NM 17/02		31/03		
	Change Period of light to 6s	19°53'40.3"N 75°09'37.0"W			
	(24/03 CG7)				
<b>26320</b>	5Ed. 8/29/92 LAST NM 25/03		31/03		
	Add Wreck [K29] "Rep (2003)" (PA)	26°06.2'N 80°01.2'W			
	(24/03 CG7)				
<b>36005</b>	(INT 1070) 2Ed. 2/24/96 LAST NM 27/03		31/03		
	Change Visibility (range) of lightship to 15M	50°24.3'N 0°00.0'			
	(18/03 Trinity House)				
<b>37025</b>	26Ed. 8/9/97 LAST NM 27/03		31/03		
	Add Wreck [K29]	43°49.3'N 2°08.1'W			
	(36(5)00 Brest)				
<b>37032</b>	2Ed. 9/12/98 LAST NM 25/03		31/03		
	Add Wreck [K29]	43°49.3'N 2°08.1'W			
	(36(5)00 Brest)				
<b>37110</b>	11Ed. 4/24/99 LAST NM 25/03		31/03		
	Change Visibility (range) of lightship to 15M	50°24.3'N 0°00.0'			
	(18/03 Trinity House)				
<b>37115</b>	2Ed. 5/10/97 LAST NM 25/03		31/03		
	Change Visibility (range) of lightship to 15M	50°24.3'N 0°00.0'			
	(18/03 Trinity House)				
<b>37122</b>	12Ed. 5/17/97 LAST NM 19/03		31/03		
	Delete Buoy	51°24'34"N 1°19'53"E			
	(17/03 Trinity House)				
<b>37141</b>	29Ed. 10/21/95 LAST NM 27/03		31/03		
	Delete Buoy	51°24'34"N 1°19'53"E			
	(17/03 Trinity House)				
<b>37180</b>	20Ed. 3/8/97 LAST NM 27/03		31/03		
	Add Buoy BYB, pillar, double cone topmark bases together, Q(3) 10s	53°45'01"N 0°20'33"E			
	(19/03 Trinity House)				
<b>37232</b>	12Ed. 11/7/98 LAST NM 29/03		31/03		
	Add Buoy (mooring) [Q40] "DGzRS"	53°39'26"N 8°19'00"E			
	(31(4)99 Hamburg)				
<b>37234</b>	13Ed. 4/3/99 LAST NM 8/03		31/03		
	Delete Buoy "FESTM.DGzRS"	53°38'28.0"N 8°20'06.0"E			

(continued on next page)

**37234** (Continued)  
 Add Buoy (mooring) [Q40] "DGzRS"  
 (31(4)99 Hamburg) 53°39'25.8"N 8°19'00.0"E

**37360** 15Ed. 6/22/96 LAST NM 24/03 31/03  
 Delete Depth 8.5 meters Rk 47°46.2'N 4°01.3'W  
 Add Depth 16 meters Rk [K14.2] 47°45.4'N 4°02.0'W  
 Depth 8.4 meters Rk [K14.2] 47°46.3'N 4°00.9'W  
 (39(17)00 Brest)

**37400** (INT 1803) 10Ed. 3/12/88 LAST NM 20/03 31/03  
 Add Stranded wreck [K24] 46°04.1'N 1°22.7'W  
 (38(13)00 Brest)

**37401** 9Ed. 1/31/98 LAST NM 22/03 31/03  
 Delete Dangerous wreck (PA) 46°03'48.5"N 1°22'59.3"W  
 Add Stranded wreck [K24] 46°04'00.0"N 1°22'40.8"W  
 (38(13)00 Brest)

**42560** 5Ed. 12/2/95 LAST NM 12/97 31/03  
 Add Radio reporting point symbol [M40] "D6" with  
 direction pointer 349° 67°25.4'N 41°26.8'E  
 (50(7744)01 St. Petersburg)

**42740** 5Ed. 7/22/95 LAST NM 25/03 31/03  
 Add Radio reporting point symbol [M40] "D3" with  
 direction pointer 130° 68°00.0'N 40°35.8'E  
 (50(7744)01 St. Petersburg)

**44047** 22Ed. 2/8/97 LAST NM 24/03 31/03  
 Change Visibility (range) of light to 12-10M 55°43.2'N 12°40.0'E  
 (1-2(7)03 Kobenhavn)

**44048** 11Ed. 3/9/96 LAST NM 27/03 31/03  
 Change Visibility (range) of light to 12-10M  
 Visibility (range) of light to 12-10M 55°43'11"N 12°40'03"E  
 55°43'16"N 12°39'52"E  
 (1-2(7)03 Kobenhavn)

**44049** 9Ed. 6/15/96 LAST NM 24/03 31/03  
 Change Visibility (range) of light to 12-10M 55°43'11"N 12°40'03"E  
 Visibility (range) of light to 12-10M 55°43'16"N 12°39'52"E  
 (1-2(7)03 Kobenhavn)

**44050** 21Ed. 10/28/95 LAST NM 20/03 31/03  
 Change Visibility (range) of light to 12-10M 55°43'10.9"N 12°40'03.0"E  
 Visibility (range) of light to 12-10M 55°43'15.1"N 12°39'51.6"E  
 (1-2(7), 3(7)03 Kobenhavn)

**44066** 10Ed. 9/5/98 LAST NM 39/02 31/03  
 Change Characteristic of light to FR 54°21'13.8"N 10°08'55.2"E  
 (21(34)03 Hamburg)

**44100** 7Ed. 3/9/96 LAST NM 22/03 31/03  
 Change Visibility (range) of light to 12-10M 55°43.2'N 12°40.0'E  
 (1-2(7)03 Kobenhavn)

**44140** 8Ed. 7/20/96 LAST NM 26/03 31/03  
 Change Characteristic of light to Oc G 5s 54°47.9'N 18°25.5'E  
 Light to Dir WRG, 8-6M with sectors Fl G  
 197°-198°, FG-201°, Al WG-202°, F-204°, Al  
 RW-205°, FR-208°, Fl R-209° 54°46.1'N 17°33.0'E  
 (15(251), 19(295)02 Gdynia)

**44160** 7Ed. 4/5/97 LAST NM 26/03 31/03  
 Add Light IVQ WRG 6s 5-3M 57°30.0'N 16°45.9'E  
 (46(841)01 Norrkoping; Swd LL)

**44205** 2Ed. 4/9/94 LAST NM 29/03 31/03  
 Add Submarine cable [L30.1] joining  
 60°42'56.2"N 17°15'43.2"E  
 60°42'46.8"N 17°16'19.8"E  
 60°42'41.4"N 17°16'42.0"E  
 Buoy R, spar 60°42'40.0"N 17°16'40.4"E  
 Buoy R, spar 60°42'50.0"N 17°16'51.1"E  
 Buoy R, spar 60°41'53.5"N 17°18'38.8"E

**(Plan)**  
 Delete Topmark from buoy 60°41'36.0"N 17°13'17.5"E  
 Depth 8.3 meters 60°41'38.0"N 17°13'11.0"E  
 (See 22/03-44205)

Relocate Buoy from 60°41'43.2"N 17°13'10.0"E to  
 60°41'45.0"N 17°13'06.5"E

Substitute Depth 5.4 meters for 5.6 meters 60°41'22.2"N 17°12'40.0"E  
 Depth 6.5 meters for 6.6 meters 60°41'36.8"N 17°13'22.0"E

Change Legend to "Swept depth 7.7m (2002)" 60°41'22.0"N 17°13'04.0"E  
 Legend to "Swept depth 9.3m (2002)" 60°41'30.0"N 17°13'19.0"E  
 Legend to "Swept depth 9.3m" 60°41'25.5"N 17°14'03.0"E

Add Beacon 60°41'35.6"N 17°13'38.9"E  
 Beacon 60°41'35.2"N 17°13'36.8"E  
 Beacon 60°41'28.7"N 17°13'32.5"E  
 Beacon 60°41'29.2"N 17°13'34.6"E  
 Beacon 60°41'17.0"N 17°12'43.7"E  
 Beacon 60°41'16.4"N 17°12'40.2"E  
 Beacon 60°41'16.3"N 17°13'18.2"E  
 Beacon 60°41'16.0"N 17°13'18.5"E  
 Beacon 60°41'19.9"N 17°13'34.0"E  
 Beacon 60°41'19.5"N 17°13'34.4"E

Position circle with legend "SS" [T20] 60°41'35.4"N 17°13'44.2"E

Buoy G, spar, Fl G 3s 60°41'27.7"N 17°13'37.4"E  
 Buoy G, spar 60°41'27.0"N 17°13'33.6"E  
 Swept depth 7.5 meters [I24] 60°41'25.5"N 17°12'40.2"E  
 Depth 10.8 meters 60°41'33.0"N 17°13'57.0"E  
 Depth 8 meters 60°41'42.6"N 17°14'01.0"E

Depth 5.3 meters enclosed by depth contour  
 (6-meter) 60°41'44.2"N 17°14'06.6"E

Swept depth area "8.2m (2002)" bound by  
 shore and dashed line joining 60°41'24.0"N 17°13'03.2"E  
 60°41'22.8"N 17°13'04.8"E  
 60°41'25.0"N 17°13'12.6"E  
 60°41'23.5"N 17°13'12.6"E  
 60°41'24.0"N 17°13'16.2"E  
 60°41'26.4"N 17°13'15.0"E  
 (19(463)00, 33(597)01, 39(535), 45(623), 49(701)02 Norrkoping;  
 Swd CH 5341)

**44360** 9Ed. 10/12/96 LAST NM 30/03 31/03  
 Delete Wreck 60°13.8'N 28°45.5'E  
 (2(34)02 St. Petersburg)

**44461** 10Ed. 1/11/97 LAST NM 28/03 31/03  
 Change Characteristic of light to Oc G 5s 54°47.9'N 18°25.5'E  
 (15(251)02 Gdynia)

**44481** 2Ed. 2/22/97 LAST NM 26/03 31/03  
 Change Light to Dir WRG 8-6M, with sectors Fl G  
 197°-198°, FG-201°, Al WG-202°, F-204°, Al  
 RW-205°, FR-208°, Fl R-209° 54°46.1'N 17°33.0'E  
 (19(295)02 Gdynia)

**53031** 1Ed. 5/2/92 LAST NM 24/03 31/03  
 Add Wreck [K29] 42°57.5'N 3°09.0'E  
 (36(8)00 Brest)

**53060** 14Ed. 9/30/89 LAST NM 14/03 31/03  
 Add Wreck [K29] 42°57.5'N 3°09.0'E  
 (36(8)00 Brest)



**62499** 4Ed. 12/8/01 LAST NM 9/03 31/03  
 Delete Buoy 25°06'55.2"N 54°56'28.0"E  
 Change Characteristic of buoy "5" to Fl(3) R 5s  
 25°06'04.0"N 54°57'33.0"E  
 Characteristic of buoy "5" to Fl(3) G 5s  
 25°05'57.0"N 54°57'26.0"E  
 Characteristic of buoy "6" to Fl(4) R 6s  
 25°05'28.0"N 54°58'14.5"E  
 Characteristic of buoy "6" to Fl(4) G 6s  
 25°05'21.0"N 54°58'07.0"E  
 Add Buoy RW, pillar, ball topmark, L Fl 10s  
 25°08'21.0"N 54°54'48.0"E  
 Buoy "3" R, can, QR 25°07'12.6"N 54°56'16.2"E  
 Buoy "3" G, conical, QG 25°07'04.8"N 54°56'09.0"E  
 Buoy "4" R, can, Fl R 2s 25°06'41.4"N 54°56'50.4"E  
 Buoy "4" G, conical, Fl G 2s 25°06'33.6"N 54°56'45.6"E  
 (25(2651)03 Taunton)  
**74002** 2Ed. 1/7/95 LAST NM 47/02 31/03  
 Add Wreck [K29] 26°18.1'S 153°07.2'E  
 (11(363)03 Wollongong)  
**74003** 5Ed. 10/21/95 LAST NM 10/03 31/03  
 Add Wreck [K29] 26°18.1'S 153°07.2'E  
 (11(363)03 Wollongong)  
**74015** 10Ed. 10/21/95 LAST NM 21/03 31/03  
 Add Platform CALM [L12] 20°54.6'S 114°54.4'E  
 (11(368)03 Wollongong)  
**74017** 4Ed. 10/21/95 LAST NM 18/03 31/03  
 Delete Purple composite line joining 20°19'50.4"S 116°45'03.6"E  
 20°22'27.0"S 116°45'03.6"E  
 20°24'03.0"S 116°46'45.6"E  
 Purple dashed line between 20°21'55.2"S 116°45'03.6"E  
 20°21'33.0"S 116°46'15.0"E  
 (See 37/02-74017)  
 Change Legend "Eastern Anchorage" to "Petroleum  
 and Explosives Anchorage" in vicinity  
 20°20'03.0"S 116°47'54.0"E  
 Add Purple composite line (anchoring prohibited  
 limit) joining 20°19'50.4"S 116°45'03.6"E  
 20°21'33.0"S 116°46'15.0"E  
 20°23'57.6"S 116°46'55.2"E  
 20°24'03.0"S 116°46'45.6"E  
 (11(366)03 Wollongong)  
**74020** 4Ed. 2/10/96 LAST NM 18/03 31/03  
 Delete Purple composite line joining 20°19'50"S 116°45'04"E  
 20°22'27"S 116°45'04"E  
 20°24'03"S 116°46'46"E  
 Purple dashed line between 20°21'55"S 116°45'04"E  
 20°21'33"S 116°46'15"E  
 (See 37/02-74020)  
 Change Legend "Eastern Anchorage" to "Petroleum  
 and Explosives Anchorage" in vicinity  
 20°20'03"S 116°47'54"E  
 Add Purple composite line (anchoring prohibited  
 limit) joining 20°19'50"S 116°45'04"E  
 20°21'33"S 116°46'15"E  
 20°23'58"S 116°46'55"E  
 20°24'03"S 116°46'46"E  
 Buoy (FAD) Y, can, Fl Y 3s 20°26'48"S 116°30'54"E  
 (11(366, 367)03 Wollongong)  
**74021** 7Ed. 6/7/97 LAST NM 26/03 31/03  
 Add Platform CALM [L12] Mo(U) 15s (occas)  
 20°54.6'S 114°54.4'E  
 (11(368)03 Wollongong)  
**74190** 7Ed. 6/14/97 LAST NM 16/03 31/03  
 Add Wreck [K29] 26°18.1'S 153°07.2'E  
 (11(363)03 Wollongong)

**74515** 4Ed. 7/5/97 LAST NM 10/03 31/03  
 Add Platform CALM [L12] Mo(U) 15s (occas)  
 20°54.6'S 114°54.4'E  
 (11(368)03 Wollongong)  
**74517** 3Ed. 7/6/96 LAST NM 4/03 31/03  
 Add Platform CALM [L12] "Four Vanguard"  
 Mo(U) 15s (occas) 20°54'36"S 114°54'26"E  
 (11(368)03 Wollongong)  
**74560** 10Ed. 7/18/98 LAST NM 18/03 31/03  
 (Plan A)  
 Delete Buoy 28°45'04.2"S 114°35'30.0"E  
 (Supersedes 43/02-74560)  
 (7(253)03 Wollongong)  
**74581** 9Ed. 3/30/96 LAST NM 27/03 31/03  
 Relocate Buoy (Y) from 31°58'45.0"S 115°41'21.0"E to  
 31°58'47.6"S 115°41'23.3"E  
 (See 2/99-74581)  
 (11(369)03 Wollongong)  
**74582** 9Ed. 2/10/96 LAST NM 27/03 31/03  
 Change Legend "220°54'" to "220°18'"  
 32°03'13.0"S 115°44'20.0"E  
 (See 17/03-74582)  
 (5(163)03 Wollongong)  
**75000** 6Ed. 3/22/97 LAST NM 6/03 31/03  
 Change Light to Fl(4) 16s 95m 11M 33°55.4'S 121°54.2'E  
 (11(370)03 Wollongong)  
**75001** 3Ed. 6/13/92 LAST NM 6/03 31/03  
 Change Light to Fl(4) 16s 95m 11M 33°55.36'S 121°54.24'E  
 (11(370)03 Wollongong)  
**75261** 6Ed. 5/10/97 LAST NM 26/03 31/03  
 Relocate Buoy from 34°02'38"S 151°15'11"E to  
 34°02'23"S 151°15'16"E  
 (11(360)03 Wollongong)  
**75263** 9Ed. 9/27/97 LAST NM 26/03 31/03  
 Relocate Buoy from 34°02'37.8"S 151°15'10.8"E to  
 34°02'22.9"S 151°15'15.7"E  
 Change Buoy to Y, spherical, "X" topmark, Fl(5) Y 20s  
 33°58'20.5"S 151°11'59.6"E  
 (See 5/03-75263)  
 (11(360)03 Wollongong)  
**75265** 2Ed. 6/19/99 LAST NM 20/03 31/03  
 Relocate Buoy from 34°02'38"S 151°15'11"E to  
 34°02'23"S 151°15'16"E  
 (11(360)03 Wollongong)  
**★81711** 6Ed. 5/11/96 LAST NM 23/02 31/03  
 (Plan A)  
 Relocate Buoy "5" from 9°23'00.8"N 167°28'09.8"E  
 to 9°22'59.3"N 167°28'10.6"E  
 Beacon "3" from 9°22'23.2"N 167°28'18.1"E  
 to 9°22'25.3"N 167°28'19.4"E  
 Buoy "2" from 9°20'33.9"N 167°27'47.0"E  
 to 9°20'33.8"N 167°27'48.2"E  
 Buoy "13" from 9°18'40.2"N 167°28'38.2"E  
 to 9°18'41.2"N 167°28'33.4"E  
 (Plan B)  
 Relocate Beacon "3" from 9°22'24.1"N 167°28'18.0"E  
 to 9°22'25.3"N 167°28'19.4"E  
 Buoy "5" from 9°23'00.8"N 167°28'09.8"E  
 to 9°22'59.3"N 167°28'10.6"E  
 Buoy "6" from 9°23'04.1"N 167°28'06.9"E  
 to 9°23'02.4"N 167°28'07.6"E  
 Buoy "7" from 9°23'13.2"N 167°28'16.0"E  
 to 9°23'11.7"N 167°28'16.8"E  
 Buoy "8" from 9°23'15.1"N 167°28'14.3"E  
 to 9°23'13.8"N 167°28'15.0"E  
 Buoy "9" from 9°23'25.0"N 167°28'21.2"E  
 to 9°23'22.5"N 167°28'22.2"E

(continued on next page)

## SECTION I

NM 31/03

<b>81711</b>	(Continued)			
	Buoy "10" from 9°23'25.5"N 167°28'18.3"E			
	to 9°23'23.5"N 167°28'19.4"E			
	<b>(Plan C)</b>			
Relocate	Buoy "2" from 8°49'13.0"N 167°35'47.9"E			
	to 8°49'13.0"N 167°35'49.4"E			
	Buoy "4" from 8°49'20.1"N 167°36'19.5"E			
	to 8°49'19.9"N 167°36'20.3"E			
	Buoy "6" from 8°49'26.2"N 167°37'01.0"E			
	to 8°49'25.4"N 167°36'59.9"E			
	Buoy "5" from 8°49'15.0"N 167°42'37.1"E			
	to 8°49'16.8"N 167°42'38.0"E			
	Beacon "S" from 8°48'25.2"N 167°42'04.2"E			
	to 8°48'24.9"N 167°42'03.5"E			
	Buoy "Y" from 8°47'41.7"N 167°42'06.5"E			
	to 8°47'41.9"N 167°42'07.1"E			
	Buoy "8" from 8°45'27.4"N 167°43'53.0"E			
	to 8°45'28.1"N 167°43'53.4"E			
	Buoy "B" from 8°45'24.0"N 167°42'46.0"E			
	to 8°45'24.8"N 167°42'46.7"E			
	Buoy "3" from 8°45'03.2"N 167°42'31.0"E			
	to 8°45'02.5"N 167°42'33.3"E			
	Buoy "7" from 8°44'18.9"N 167°43'17.2"E			
	to 8°44'18.2"N 167°43'18.1"E			
	Buoy "9" from 8°44'05.2"N 167°43'30.2"E			
	to 8°44'05.4"N 167°43'31.5"E			
	Buoy "G" from 8°43'51.2"N 167°43'38.0"E			
	to 8°43'50.7"N 167°43'38.9"E			
	Buoy "1" from 8°47'34.0"N 167°39'45.8"E			
	to 8°47'33.8"N 167°39'47.2"E			
	Buoy "1" from 8°46'47.1"N 167°38'49.3"E			
	to 8°46'46.8"N 167°38'50.7"E			
	Buoy "2" from 8°47'04.7"N 167°38'37.0"E			
	to 8°47'02.8"N 167°38'38.7"E			
	<b>(Plan D)</b>			
Relocate	Buoy "5" from 8°44'29.5"N 167°43'05.8"E			
	to 8°44'29.5"N 167°43'06.7"E			
	Buoy "7" from 8°44'18.5"N 167°43'16.9"E			
	to 8°44'18.2"N 167°43'18.1"E			
	Buoy "8" from 8°44'11.5"N 167°43'32.2"E			
	to 8°44'11.4"N 167°43'33.3"E			
	Buoy "9" from 8°44'05.5"N 167°43'30.6"E			
	to 8°44'05.4"N 167°43'31.5"E			
	Buoy "G" from 8°43'50.9"N 167°43'37.3"E			
	to 8°43'50.7"N 167°43'38.9"E			
	Buoy "11" from 8°43'49.3"N 167°43'44.0"E			
	to 8°43'49.5"N 167°43'44.6"E			
	(25/03 CG14)			
<b>81715</b>	4Ed. 9/20/86 LAST NM 23/02			31/03
Relocate	Buoy "8" from 9°12'30"N 167°30'24"E to			
	9°12'32"N 167°30'27"E			
	Buoy "10" from 9°16'00"N 167°29'06"E to			
	9°16'02"N 167°29'04"E			
	Buoy "13" from 9°18'40"N 167°28'37"E to			
	9°18'41"N 167°28'33"E			
	Buoy "2" from 8°49'13"N 167°35'45"E to			
	8°49'13"N 167°35'49"E			
	Buoy "4" from 8°49'23"N 167°36'17"E to			
	8°49'20"N 167°36'20"E			
	Buoy "6" from 8°49'30"N 167°36'56"E to			
	8°49'25"N 167°37'00"E			
	Buoy "1" from 8°46'48"N 167°38'49"E to			
	8°46'47"N 167°38'51"E			
	Buoy "2" from 8°52'10"N 167°45'32"E to			
	8°52'07"N 167°45'31"E			
	Buoy "V" from 8°52'22"N 167°43'42"E to			
	8°52'23"N 167°43'50"E			
	Buoy "5" from 8°49'18"N 167°42'36"E to			
	8°49'17"N 167°42'38"E			
	Beacon "S" from 8°48'27"N 167°42'01"E to			
	8°48'25"N 167°42'04"E			
	Buoy "B" from 8°45'22"N 167°42'42"E to			
	8°45'25"N 167°42'47"E			
	(25/03 CG14)			
<b>93730</b>	3Ed. 6/29/96 LAST NM 28/03			31/03
Add	Wreck [K29]	22°11.0'N 114°56.0'E		
	(6(83)03 Tianjin)			
<b>94028</b>	7Ed. 9/16/95 LAST NM 27/03			31/03
Add	Dangerous wreck [K28] (PA)	34°15.8'N 125°52.4'E		
	Dangerous wreck [K28]	34°21.7'N 125°50.1'E		
	(24(399), 25(432)03 Incheon)			
<b>94040</b>	13Ed. 10/4/97 LAST NM 28/03			31/03
Add	Dangerous wreck [K28] (PA)	24°03.2'N 118°16.9'E		
	(11(176)03 Tianjin)			
<b>94060</b>	10Ed. 5/18/96 LAST NM 24/03			31/03
Add	Dangerous wreck [K28] (PA)	24°03.2'N 118°16.9'E		
	(11(176)03 Tianjin)			
<b>94160</b>	7Ed. 3/23/96 LAST NM 28/03			31/03
Add	Wreck [K29] (PA)	26°21.9'N 120°19.7'E		
	Wreck [K29] (PA)	25°38.2'N 120°14.4'E		
	(14(238, 239)03 Tianjin)			
<b>94260</b>	5Ed. 8/26/95 LAST NM 11/03			31/03
Add	Dangerous wreck [K28] "Rep (2002)" (PA)	34°29.2'N 121°54.8'E		
	(6(84)03 Tianjin)			
<b>94290</b>	2Ed. 9/2/95 LAST NM 7/03			31/03
Add	Dangerous wreck (Mast) [K25] "Rep (2003)" (PA)	36°26.9'N 122°49.0'E		
	(21(406)03 Tianjin)			
<b>95060</b>	13Ed. 8/5/95 LAST NM 29/03			31/03
Delete	Buoy "1"	37°24.5'N 126°13.4'E		
	Legend "Channel marked by buoys" centered	37°27.0'N 126°18.0'E		
	(51(679)00 Incheon)			
<b>95065</b>	5Ed. 4/16/94 LAST NM 10/03			31/03
Delete	Buoy "1"	37°24'27"N 126°13'22"E		
	Buoy "2"	37°24'03"N 126°13'49"E		
	Buoy "3"	37°24'59"N 126°14'11"E		
	Buoy "4"	37°24'38"N 126°14'31"E		
	Buoy "5"	37°25'29"N 126°14'58"E		
	Buoy "6"	37°25'13"N 126°15'14"E		
	Buoy "7"	37°25'58"N 126°15'46"E		
	Buoy "8"	37°25'47"N 126°15'56"E		
	Buoy "9"	37°26'30"N 126°16'32"E		
	Buoy "10"	37°26'22"N 126°16'40"E		
	Buoy "11"	37°27'01"N 126°17'16"E		
	Buoy "12"	37°26'53"N 126°17'24"E		
	Buoy "13"	37°27'33"N 126°18'04"E		
	Buoy "14"	37°27'23"N 126°18'10"E		
	Buoy "15"	37°28'06"N 126°18'50"E		
	Buoy "16"	37°27'58"N 126°18'56"E		
	Buoy "17"	37°28'37"N 126°19'36"E		
	Buoy "18"	37°28'30"N 126°19'44"E		
	Buoy "19"	37°29'09"N 126°20'22"E		
	Buoy "20"	37°29'02"N 126°20'32"E		
	Buoy "21"	37°29'41"N 126°21'09"E		
	Buoy "22"	37°29'32"N 126°21'13"E		
	(51(679)00 Incheon)			
<b>95066</b>	11Ed. 11/21/98 LAST NM 27/03			31/03
Delete	Buoy "1"	37°24'27"N 126°13'22"E		
	Buoy "2"	37°24'03"N 126°13'49"E		
	Buoy "3"	37°24'58"N 126°14'11"E		
	Buoy "4"	37°24'37"N 126°14'32"E		
	Buoy "5"	37°25'28"N 126°14'59"E		
	Buoy "6"	37°25'12"N 126°15'15"E		
	Buoy "7"	37°27'57"N 126°15'46"E		
	Buoy "8"	37°25'46"N 126°15'57"E		
	Buoy "9"	37°26'29"N 126°16'33"E		
	Buoy "10"	37°26'21"N 126°16'41"E		
	Buoy "11"	37°26'52"N 126°17'17"E		
	Buoy "12"	37°26'52"N 126°17'25"E		
	Buoy "13"	37°27'32"N 126°18'05"E		
	Buoy "14"	37°27'22"N 126°18'11"E		
	Buoy "15"	37°28'05"N 126°18'51"E		
	Buoy "16"	37°27'57"N 126°18'57"E		
	Buoy "17"	37°28'36"N 126°18'57"E		
	Buoy "18"	37°28'29"N 126°16'45"E		
	Buoy "19"	37°29'08"N 126°20'23"E		
	Buoy "20"	37°29'01"N 126°20'23"E		
	Buoy "21"	37°29'40"N 126°21'10"E		
	Buoy "22"	37°29'31"N 126°21'14"E		
	Buoy "23"	37°30'12"N 126°21'53"E		
	Buoy "24"	37°30'08"N 126°22'00"E		
	Buoy "26"	37°30'24"N 126°22'25"E		
	Buoy "27"	37°30'47"N 126°22'36"E		

(continued on next page)

<b>95066</b>	(Continued)				
	Buoy "29"	37°30'44"N	126°23'10"E		
	Buoy "30"	37°30'35"N	126°23'12"E		
	Buoy "31"	37°30'37"N	126°23'55"E		
	Buoy "32"	37°30'29"N	126°24'00"E		
	Buoy "33"	37°30'34"N	126°24'40"E		
	Buoy "34"	37°30'24"N	126°24'41"E		
	Buoy "35"	37°30'28"N	126°25'14"E		
	Buoy "36"	37°30'18"N	126°25'15"E		
	Buoy "37"	37°30'20"N	126°26'04"E		
	Buoy "38"	37°30'12"N	126°26'03"E		
	Buoy "39"	37°30'12"N	126°26'37"E		
	Light	37°30'04"N	126°26'39"E		
	(51(679), 681)00 Inchon)				
<b>95080</b>	13Ed. 6/24/95	LAST NM 30/03		31/03	
	Add	Dangerous wreck [K28]	35°13'24"N	126°00'00"E	
	(24(400)03 Inchon)				
<b>95086</b>	5Ed. 6/18/94	LAST NM 27/03		31/03	
	Substitute	Depth 4 meters for 3.4 meters	34°47'07.4"N	126°24'33.8"E	
	(See 47/98-95086)				
	Add	Depth 4.4 meters	34°47'09.4"N	126°24'32.5"E	
	(18(299)03 Inchon)				
<b>95087</b>	3Ed. 4/30/94	LAST NM 30/03		31/03	
	Add	Depth 0.6 meter	35°59'23.9"N	126°39'24.1"E	
	(See 22/97-95087)				
	(23(376)03 Inchon)				
<b>95100</b>	12Ed. 3/2/96	LAST NM 29/03		31/03	
	Add	Dangerous wreck [K28] (PA)	34°15'48"N	125°52'26"E	
		Dangerous wreck [K28]	34°21'40"N	125°50'07"E	
	(24(399), 25(432)03 Inchon)				
<b>95101</b>	8Ed. 7/8/95	LAST NM 28/03		31/03	
	Add	Dangerous wreck [K28] (PA)	34°15'48"N	125°52'26"E	
		Dangerous wreck [K28]	34°21'40"N	125°50'07"E	
	(24(399), 25(432)03 Inchon)				
<b>95103</b>	8Ed. 5/18/96	LAST NM 28/03		31/03	
	Add	Light Fl Y 4s 17m 7M	33°14'01"N	126°19'57"E	
	(51(677)00 Inchon)				
<b>95146</b>	14Ed. 5/14/94	LAST NM 24/03		31/03	
	Delete	Dangerous wreck	35°02'01"N	128°35'46"E	
	(See 44/02-95146)				
	Substitute	Depth 18 meters Wk for 18.7 meters Wk	34°56'22"N	128°32'47"E	
	(See 41/02-95146)				
	(18(294), 25(418)03 Inchon)				
<b>95147</b>	13Ed. 5/14/94	LAST NM 29/03		31/03	
	Delete	Dangerous wreck	35°02'00.5"N	128°35'46.1"E	
	(See 44/02-95147)				
	(25(418)03 Inchon)				
<b>95152</b>	5Ed. 7/23/94	LAST NM 30/03		31/03	
	Delete	Depth 10.2 meters	35°04'26.8"N	129°00'09.2"E	
	(See 28/97-95152)				
	Add	Depth 10 meters enclosed by depth contour	35°04'20.2"N	128°59'50.8"E	
	(10-meter)				
		Depth 10.6 meters	35°04'26.5"N	129°00'09.1"E	
	(23(372)03 Inchon)				
<b>801902</b>	9Ed. 8/29/98	LAST NM N25/03		N31/03	
	Delete	Light	18°06'31.2"N	65°22'33.8"W	
	(24/03 CG7)				
<b>804567</b>	4Ed. 7/7/90	LAST NM N17/02		N31/03	
	Change	Period of light to 6s	19°53'37"N	75°09'38"W	
	(24/03 CG7)				

**807370** 5Ed. 7/18/98 LAST NM N30/03 N31/03  
 Delete Light 18°06'31"N 65°22'34"W  
 (24/03 CG7)

SECTION I

Chart 11344

NM 31/03

CALCASIEU PASS AND RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL	29.0	38.0	37.0	24.0	5-03	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	33.0	46.0	47.0	49.0	3-03	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	23.0	38.0	42.0	38.0	3-03	400	6.0	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11347 (Side A)

NM 31/03

CALCASIEU PASS AND RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL	29.0	38.0	37.0	24.0	5-03	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	33.0	46.0	47.0	49.0	3-03	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	23.0	38.0	42.0	38.0	3-03	400	6.0	40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	30.0	36.0	39.0	34.0	3-03	400	6.0	40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	32.0	37.0	38.0	33.0	3,4-03	400	6.0	40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	31.0	36.0	33.0	28.0	2,3-03	400	5.0	40
THENCE TO 210 BRIDGE	34.0	38.0	35.0	33.0	2-03	400	4.4	40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	34.0	39.0	36.0	33.0	2-03	400	2.0	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11347 (Side B)

NM 31/03

CALCASIEU PASS AND RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2003								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL	29.0	38.0	37.0	24.0	5-03	800	19.1	42
JETTY CHANNEL TO (29°46'00.0"N, 93°20'40.0"W)	33.0	46.0	47.0	49.0	3-03	400	1.4	40
THENCE TO A POINT (29°52'00.0"N, 93°20'43.0"W)	23.0	38.0	42.0	38.0	3-03	400	6.0	40
THENCE TO A POINT (29°58'00.0"N, 93°20'10.0"W)	30.0	36.0	39.0	34.0	3-03	400	6.0	40
THENCE TO A POINT (A) (30°04'00.0"N, 93°19'38.0"W)	32.0	37.0	38.0	33.0	3,4-03	400	6.0	40
THENCE TO A POINT (B) (30°09'00.0"N, 93°19'58.0"W)	31.0	36.0	33.0	28.0	2,3-03	400	5.0	40
THENCE TO 210 BRIDGE	34.0	38.0	35.0	33.0	2-03	400	4.4	40
THENCE TO END OF 400 CHANNEL (30°13'09.0"N, 93°15'08.0"W)	34.0	39.0	36.0	33.0	2-03	400	2.0	40

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION





**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 31/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
16435	5	27/02	17426	13	37/02;1,16,20/03	18434	4	26,P44,48/02;6,9/03	18662	20	30/02;7/03
16440	13	37/02	17427	7	21/03	18440	26	3*,15,18,22,28,30/03	18663	5	14/03*
16441	7	37/02	17428	7	5/03	18441	42	30*,32,39/02;6,7,9,15,18,28,30/03	18666	1	26/02:21/03
16442	6	37/02	17429	2	N38/02*				18680	30	6,13/03
16480	10	38/02	17430	10	5/03	18443	15	39/02;6/03	18685	31	25/02;6,12/03
16500	9	9/03	17434	11	5/03	18444	15	39/02	18687	13	8/03*
16520	21	2,31/03	17436	6	20/03	18445	29	22,28,32,33,39/02;6,7,9,10,15,18,22,25,28/03	18700	21	34,36,37/02;4,6,10,13,21/03
16521	5	27/02	17437	8	21/03	18446	15	6,7,9,18,19/03	18703	24	36,37/02;4,27/03
16528	16	9/03	17438	12	50/02;10,14,15,21/03	18447	26	27,52/02;6,7,10,18/03	18704	12	37/02
16529	14	50/02;9/03	17441	7	10,15/03	18448	32	33/02;10,15,22/03	18720	31	23,35/02;4,6,10,12,25/03
16530	6	50/02	17443	12	10/03	18449	17	7/03	18721	11	35/02;6,10/03
16535	12	2,21,31/03	17445	2	10,14/03	18450	17	9/03*	18723	3	6/03
16549	14	4,16/03	17446		N10/03	18453	24	14*,25/03	18724	1	22*,25/03
16553	3	17/03	17460		N5/03	18455	2	N22,N39/02;N15/03	18725	26	23,35/02;4,6,12,25,29/03
16556	4	8/03*	17465	4	6,12/03	18458	15	19*,28/03	18740	39	20,23,34,37,45,50/02;5,6,12,25,27/03
16561	1	29/03	17470		N23/03	18459	5	N22,N32,N39/02;N9,N15,N28/03	18741	18	N25,N45,N50/02;N12,N27/03
16566	10	29/03	17471		N6/03	18460	11	2*,6,7/03	18744	30	37/02
16568	12	39/02*	17472	4	5,14/03	18464	23	24*,30/03	18746	34	20,23,34/02;5,13/03
16575	1	39/02	17480	4	43/02;5,10/03	18465	35	2*,15,30/03	18749	38	20,23,25,27,40/02;5,6,16,21,26,28,31/03
16576	3	42/02;6/03	17482		N7,N14/03	18468	17	7/03	18751	42	20,25,27,40/02;5,6,16,21,26,28,31/03
16580	11	39/02	17489	19	43/02	18471	8	32/02;7,15,30/03	18754	16	36/02
16590	10	38/02*	17495	2	43/02	18473	7	4*,18,19/03	18757	10	13/03
16592	9	16/03	17503	4	43/02	18474	7	45/02*;7,10,15,22,25/03	18758	6	35/02*;16/03
16593	11	14/03*	17513		N42,N43/02;N15/03	18476	4	22,32,39/02;7,9,28/03	18760	6	N23,N34,N35,N45,N50/02;N6,N25/03
16594	13	2/03	17515	7	6,15,16/03	18477	5	7/03	18761	2	N20/02
16595	14	2/03	17517	8	6,15,16/03	18480	29	2*,6,7/03	18762	15	20/02
16596	12	39/02*	17518	7	P44,48/02;16,18,20/03	18484	10	28,40/02;15,29/03	18763	9	20/02
16597	8	43/02	17519	13	16/03	18485	15	2*,10,29/03	18765	15	25,45,50/02;12,27/03
16598	9	43/02	17520	2	N6,N16/03	18488	15	2*,10,29/03	18766	7	25,45,50/02;12,27/03
16599	6	43/02	17521		N15/03	18500	28	22,32,39/02;12,22,28/03	18768	4	N25,N45,N50/02;N12,N27/03
16603	7	42/02;6/03	17522		N15/03	18502	84	30*,32,39,42,49/02;9,21,28,29/03	18769	2	N20/02
16604	11	22/02*	17523		N15/03	18504	65	19/03*	18772	47	21/03*
16606	11	37/02*;21/03	17524		N12,N15/03	18520	24	33,39/02;22/03	18773	38	20,23,25,50/02;10,12,13,27/03
16608	3	6/03	17525		N15/03	18521	69	34*,39,49/02;4,10,12,21,22,24,29/03	18774	10	35/02*;10,16/03
16640	24	21/03	17526		N15/03	18523	53	25,26,33/02;4,12/03	18775	2	N20/02
16646	12	8/03	17528		N43/02;N6,N12/03	18524	33	26,28,31,33/02;4,6,10,24,29/03	19002	9	N23,N25,N37,N51/02;N16,N23,N29/03
16660	28	22,25,29,42/02;6,16/03	17541	3	43/02	18525	33	28,31,33/02;4,9,29/03	19004	36	23,25,35,37,51/02;23,29,30/03
16662	6	22,29/02	17542	6	47/02	18526	55	28,31,33/02;4,18,29/03	19007	16	51/02;16,23,29,30/03
16663	6	22,25,29,42/02;6,16/03	17543	17	41/02	18527	21	31/02	19008	4	16,23,29/03
16665	7	22,25,29,42/02;6,16/03	17545	13	43,47/02	18528	10	52/02*	19009	4	16,23,29/03
16680	10	6/03	17546	22	42,43,47/02;24/03	18529	10	52/02*	19010	17	45*,51/02;23,29/03
16681	10	37/02*	17548	28	16/03	18530	20	10/03	19013	16	25,51/02;29,30/03
16682	15	8*,17,19/03	17549	6	47/02;15/03	18531	20	26,31,34/02;9,10/03	19019	9	28/03*
16683	9	3,6,17/03	17550	4	42,43,P44,45,47,48,52/02	18541	8	21/02*	19320	16	23,27,35,37,51/02;5,16,23/03
16700	27	21*,49,52/02;9,16,22/03	18000	8	45/02;6,10,21/03	18548	5	8/03*	19324	22	27,35/02;5,23/03
16701	18	21*,52/02;9,22/03	18002	6	N45/02;N2,N6,N10,N21/03	18558	37	39/02	19327	10	23/02;23/03
16702	10	38,52/02;1,9,13,22/03	18003	19	22/03*	18561	11	33,39/02;10/03	19330	9	27/03
16705	19	49/02;16/03	18005	4	N20,N34/02;N6,N10,N13,N21,N26/03	18580	21	26,33,38,39/02	19331	7	23/03
16707	10	34,37/02;16,20/03	18006	3	N6/03	18581	17	49/02*;4/03	19339	1	N25,N35,N49,N51/02;N5,N13,N30/03
16708	25	37,49/02;16,20/03	18007	31	20,26,33,34,37,38,39,40,47,52/02;18,22,24,26/03	18583	38	31,33,42,49/02;12/03	19340	26	25,35,49,51/02;5,13,29,30/03
16709	22	49/02	18008	7	N20,N26,N33,N34,N37,N38,N39,N40,N47,N52/02;N18,N22,N24,N26/03	18584	47	30,39,49/02;4,6,30/03	19347	17	25/02;29/03
16712	1	16/03	18009	2	N34/02;N6,N13,N26/03	18587	68	25,30,33,39,42/02;4,6,9,10,21,27/03	19348	7	29/03
16713	2	49/02	18010	20	33,34,37,38,39,40/02;6,13,26/03	18588	37	22/03*	19350	11	27/02
16741	9	46/02	18020	36	20,34,37,45/02;6,10,13,21,26/03	18600	14	33,37,38,40/02	19351	9	25/02
16760	10	51/02;28/03	18022	33	23,34,37,45/02;6,10,13,21,25/03	18601	13	10/03	19353	12	27/03
16761	16	28/03	18400	43	2*,6,16,18,22,30/03	18602	12	26/03*	19357	22	42*,49,51/02;5,13,30/03
16762	9	26/02*	18403	21	6,20/03	18603	16	9*,10/03	19358	20	28/02*
17003	4	47,52/02;24/03	18405	12	43/02;16/03	18620	23	35/02*	19359	10	12,16/03
17005	10	41,45,47,52/02;24/03	18406	5	16/03	18622	52	26,28,49/02;21,25,27/03	19360	1	N37,N51/02
17008	12	43/02	18411	10	20/03	18623	11	34/02	19361	7	30/03
17300	30	52/02*;21/03	18413	15	20,22/03	18626	15	37/02;10/03	19362	12	49/02
17302	18	21*,51/02	18414	9	20/03	18640	24	24/02;26/03	19366	36	31,49/02;5/03
17303	9	37/02	18415	8	42/02;7,22/03	18643	17	26/03*	19367	37	22,31,49/02;10/03
17315	23	2*,16,21,25/03	18416	6	P44,48/02;22/03	18645	24	50/02	19369	5	22,31,49/02;10/03
17316	20	28/02*;3,25/03	18418	6	15/03	18647	15	2/03*	19379	1	N25,N51/02;N5,N13,N30/03
17320	15	13,29/03	18419	11	47/02;12/03	18653	9	36,38,41/02;4,6,21/03	19380	14	25,51/02;5,13,30/03
17323	10	13,22,29/03	18421	45	2*,18,20,22/03	18655	42	28*,38,49/02;12,16/03	19381	8	25,49,51/02;26/03
17325	7	29/03	18422	33	1*,5,7,9,15,18,30/03	18656	58	49/02;12,16/03	19382	15	26/03
17327	20	5/03	18423	25	7/03	18657	53	19*,21/03	19383	17	49/02;5/03
17360	33	31/03*	18424	21	35/02*;7,19/03	18658	18	26,27,30/02;4,21/03	19385	7	20/02*
17379	1	20/02	18429	9	3*,22/03	18659	29	23,26,27/02;4,21/03	19387	9	N25/02
17382	15	20/03*	18430	7	28/02*;6,7,22/03	18660	2	29/03*	19401	8	10/03*
17383	1	31*,49/02;8/03	18431	6	2/03*	18661	27	15*,16/03	19402	6	9/03*
17384	7	44/02	18432	5	14/03*						
17385	14	14/03*	18433	5	2*,22/03						
17400	16	36/02;10,12/03									
17401	10	1/03									
17402	10	46/02*									
17405	14	12,25/03									
17406	6	25/03									
17409	10	39/02*									
17413	2	43,50/02;10/03									
17414	3	41/02									
17416	3	10,14/03									
17420	26	36,37,42,43,50/02;1,10,12,14,20/03									
17422	8	52/02*									

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 31/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
19421	7	8/03*	22205	2	12,18/03	23127	4	N24/02*	24406	30	20,26/02;2/03
19441	7	28/03*	22221	20	20/02;12,31/03	23128	4	N24/02*	24408	21	36,44,48/02
19442	5	14*,26/03	22222	1	4,12,31/03	23129	2	N24/02*	24410	2	21,44/02
19461	7	10/03*	22225	2	12,18/03	23131	7	26,31/02;12,22/03	24430	5	39/02;8,11,31/03
19483	6	11/03*	22233	29	13,18,25/03	23141	7	34/02;22/03	24431	14	39/02;31/03
21005	5	45/02;2/03	22250	2	42/02;12,18/03	23142	10	8/03	24434	4	39/02
21008	62	39,42,43,50/02;1,2/03	22251	11	12,28/03	23150	10	20,37,52/02	24450	3	26/03
21011	5	2/03	22259	4	20/02;20,24/03	23151	3	12/03	24452	7	26/02
21014	72	42,50,52/02;2,3,4/03	22263	1	26/03	23152	3	37/02;12/03	24453	5	26/03
21017	50	23,41,50/02;4,5,6,9/03	22264	2	20,42/02;13,18,20,24,26/03	23153	8	20,31/02;12,13/03	24454	5	5,26/03
21020	42	23,41/02;5,6,7/03				24000	39	27,29/02	24460	4	39,47/02;15,29/03
21021	3	45/02;13/03	22275	3	20,42/02;12,18,26/03	24004	36	29,30/02	24461	4	16/03
21023	41	34/02;7,8,9/03	22281	9	12,18/03	24016	53	30,39/02	24462	5	47/02;16,29/03
21033	46	20,32/02;1,16/03	22282	17	12/03	24020	47	27/02	24463	6	24,39/02;12,15,25,26/03
21036	7	1,16/03	22283	3	N12/03	24024	46	18,25/03	24465	6	23,33,47/02
21120	27	47,50,51,52/02	22284	7	N10/03	24028	6	23,48/02	24469	1	20,46,47/02;13/03
21121	18	47/02	22290	4	20/02;18,30/03	24050	11	27,31,34,38,49/02;20,31/03	24470	4	28,39,47/02
21122	5	47/02	22293	15	20/02;18,26/03				24471	8	28,47/02
21125	13	51,52/02	22294	15	12/03	24052	15	31,37,38/02;14,19,21,30/03	24480	1	25,27,41,44,45,49/02;24,27/03
21126	1	50/02	22305	2	18,24,30/03				24482	2	24,49/02;31/03
21140	1	45,50/02;12,27/03	22311	19	8/03	24053	16	24/02;19/03	24483	2	20,24,49/02
21141	23	48/02	22312	2	13,30/03	24055	6	37,49/02;14,19,21/03	24484	3	24,49/02;31/03
21160	1	45/02	22313	2	44/02;8,18/03	24057	4	31,38,49/02;20,30/03	24490	3	24,31/02;25,27/03
21161	19	43,48/02	22314	1	44/02	24058	2	31,32,37,38/02;19,22,28,29,30/03	24491	3	31/02;27/03
21180	1	2,7/03	22331	2	N10,N19,N24/03				24492	20	31,46/02
21182	34	39/02	22335	4	19/03	24060	2	34/02;17/03	24501	3	27/02;27/03
21200	1	2/03	22341	9	43/02;11,21,29/03	24080	5	29/02;17/03	24502	6	46/02;27/03
21301	13	3,12/03	22342	9	21,29/03	24091	6	26/02;6,21/03	24504	7	41,45,46/02
21342	28	41,44/02	22343	1	N43/02;N10,N11,N21/03	24092	14	26/02;6/03	24508	3	22/03*
21384	3	23/02;6/03	22344	6	N23/03*	24100	5	27,29/02	24509	2	45,50/02;15,25/03
21401	20	7/03	22345	11	42/02;24/03	24101	3	37,41/02	24510	2	41,45,46,50/02
21441	27	34,44/02	22347	6	N23/03*	24102	3	37,41/02	24511	2	24/03
21478	3	9,16/03	22351	1	N43/02;N12/03	24110	3	27,29/02	24512	3	25,29,44,46/02;24,25/03
21510	1	9,16/03	22352	6	12,19,24/03	24130	14	24,29/02;5/03	24513	18	46/02
21520	1	29/03	22360	2	19/03	24133	6	31/03	24517	2	46,49/02;25/03
21521	14	29/03	22361	2	N10,N30/03	24140	18	32/02	25001	7	15/03
21563	3	45/02	22370	2	15,19,26,30/03	24141	4	5/03	25017	5	15,25,31/03
21601	4	31/03	22371	5	30/03	24142	43	5,6/03	25018	9	15,25,31/03
21602	1	28/02	22373	1	N50/02;N10,N24,N30/03	24149	1	32/02	25400	1	23,26,35,48/02
21603	9	5,31/03	22375	1	N10,N15,N26/03	24150	27	27,29,30,32/02	25480	1	20,42,46/02
21605	7	31/03	22377	1	N10,N13/03	24151	4	29,32/02	25481	25	26/02
21661	12	6/03	22379	1	N50/02;N10,N30/03	24152	2	30/02	25485	45	23,26/02
22004	38	20,23,30,32,34,36,39,41,43,52/02;16,29/03	22381	2	N43/02	24153	6	30/02	25487	2	23,26/02
22008	35	30,34,36,39,41,43,44,48,52/02;6,14,17,29/03	22395	2	42/02;15,19,22,26,30/03	24156	2	22/02	25524	43	33/02;1,5,20,24,26/03
22012	31	30,34/02;6,29/03	22401	4	N23*,N30/03	24159	1	27/02	25525	17	1,5,26/03
22032	20	19/03	22403	1	N45/02	24160	21	27,28/02	25526	2	33/02;24/03
22036	28	47/02	22404	15	46/02	24161	11	27,42/02;7,28/03	25527	31	33/02;24/03
22050	4	12,26/03	22406	1	N1/03	24162	9	22,27,42/02;6,7,28/03	25528	5	21,42/02
22051	18	28/02	22407	1	N4,N11,N18,N30/03	24164	6	27/02	25550	2	24/02;21/03
22052	6	28,46/02;25/03	22408	1	N10,N21/03	24170	14	5,6/03	25563	50	33/02;14,18,21/03
22080	3	20,32/02	22409	4	N45/02;N10,N17,N22/03	24171	19	5,6/03	25565	7	33/02
22082	4	13,25/03	22410	32	43,44,46/02;19,23/03	24172	4	5,6/03	25566	27	18,30/03
22084	4	42/02	22413		N45/02;N22/03	24180	15	8/03	25567	16	21/03
22090	2	30,32,43/02;4,17/03	22417	1	N10,N25/03	24202	6	31/03	25570	3	31/02;16/03
22100	3	20,32/02;12/03	22418	2	24,36,44,46/02;19/03	24211	7	24/02	25575	4	31/02
22101	19	20,32,43/02	22420	2	4,11,15,19,30/03	24220	14	27,28/02	25600	47	24/02;25,27/03
22102	19	17/03	22421	4	N43,N44,N46/02;N11,N23,N25,N26,N27/03	24222	3	27/02	25601	34	20/02
22109	3	17/03	22423	3	N11,N25,N27/03	24230	20	30/02	25607	4	24,39/02
22111	4	32/02;17/03	22424	2	N27/03	24233	15	36,43/02	25608	21	16,26/03
22112	3	23,25,30,32,43/02;17/03	22425	2	44,46/02	24234	3	30/02	25609	5	30/02
22113	8	23,25,30/02;12,17/03	22427	1	N43,N44,N46,N50/02;N11,N23,N25,N26/03	24240	5	30,39/02;7/03	25613	2	30/02;25,27/03
22114	5	32,42,43/02;17/03				24250	5	30,39/02;7/03	25640	40	28/02*;15,25,31/03
22120	3	23,30,34,36,39,41,43,52/02;29/03	22429		N24,N46/02;N10,N14,N17,N19,N27/03	24252	5	30,39,43/02;6/03	25641	26	30/02
22121	9	23,30,34,36,44,52/02;29/03	22430	6	19/03	24260	5	34/02	25644	13	20/03*
22125	1	36/02	22433	3	39,47/02;11,14/03	24270	3	24,27/02;17,29/03	25646	7	N42/02
22126	1	36/02	22436	2	39/02;10,14/03	24271	14	17,29/03	25649	18	30,35/02;4,31/03
22130	2	44/02;14,17,29/03	22440	1	19/03	24274	2	17,29/03	25650	33	22*,30/02;25,30,31/03
22138	2	41,44,48/02;6/03	22441	31	44/02	24290	3	36,43/02	25653	13	8/03*
22140	2	30,34,36,44/02;25/03	22471	35	43,44/02;19/03	24291	4	36/02	25659	9	20/03*
22142	2	39,41,43/02;25/03	22481	16	44,50/02;23/03	24292	4	36/02	25663	27	17,30/03
22143	4	26*,29/03	22482	3	12,17/03	24293	6	32,36/02	25664	15	17,30/03
22145	2	N41/02;N25/03	22521	3	12,17/03	24294	22	36/02	25666	17	17/03
22160	3	30,34,39,41,48,52/02;25/03	22523	3	12,17/03	24311	4	27/02	25667	20	15/03
22170	3	30,39/02;6/03	22529	3	12,17/03	24312	4	27/02	25668	18	48/02;13/03
22172	8	48/02*;4,6,29/03	22531	2	12,17/03	24320	4	27,28,34,43/02;6,17/03	25670	41	26,38,48,49/02;4,5,13,20/03
22173	36	48/02*;6,17,29/03	23010	4	27,38/02	24321	3	6/03	25671	18	21/03*
22180	2	30,34/02	23020	4	22/03	24322	6	28,34/02;6,17/03	25673	15	28,42/02
22181	16	27,39,41/02;29/03	23023	4	27/02	24350	2	31,51/02;18/03	25675	9	20/03*
22182	6	30,34/02;14,29/03	23030	6	27,38/02;21,22/03	24355	2	51/02;25/03	25677	19	21,52/02
22183	3	20/02	23115	3	27/02	24360	1	25/03	25679	10	20/03*
22190	2	30/02;29/03	23121	7	30/02;17,20/03	24370	1	34/02	25681	16	28/03*
			23122	8	23,30,33/02	24375	2	34/02	25683	17	30,49,52/02;5,20/03
			23123	3	30/02	24380	2	35/02	25685	9	22/03*
			23124	3	N30/02;N17,N20/03	24388	2	35/02	25687	12	30/03*
			23125	4	30/02;17/03	24404	8	21,26,35,44,48/02	25700	3	15/03
			23126	6	N24/02*	24405	10	26,35,36,44,48/02			

## SECTION I

NM 31/03

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 31/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
25720	3	33/02	28325	2	27,29/02;5/03	36098	6	5/03	37120	2	24,27,29,39,42,49,51/02; 4,6,21,23,24,25,26,27,30/03
25800	3	24,36/02	28330	2	27/02	36102	6	13/03	37121	11	24,27,29,31/02;25/03
25841	9	24,36/02	29002	9	18,29/03	36103	9	13/03	37122	12	48/02;19,31/03
25848	25	5,13,15/03	29015	5	22/02;16/03	36104	6	13/03	37123	9	49/02;6,20/03
25849	13	42/02;12/03	29107	2	29/03	36106	7	47/02;5,13/03	37125	15	24,42,49/02;6,9,20/03
26001	4	9/03	29121	5	32/02	36118	3	5/03	37126	8	41/02
26050	1	34/02;26/03	29122	5	32/02	36120	9	20,22,31,46/02;5,8,16,23,27/03	37127	11	49/02;4,6,20/03
26060	1	49/02	29127	4	29/03	36122	12	21/02	37129	6	39,42,49/02;4,6,20,23,24,30/03
26068	11	18/03	29141	3	29/03	36123	25	21,46/02;11,16/03	37133	4	44/02
26081	8	46/02;16/03	29142	3	7/03	36124	18	16/03	37134	5	38/02
26083	14	29/02	35000	26	23,24,47,48/02;14/03	36125	7	4,30/03	37136	6	38,46,50,51/02;30/03
26100	4	31/03	35008	21	45,48,50/02;5,25,27/03	36126	4	38/02	37137	6	46,48/02;30/03
26122	30	22/03*	35009	19	40,41,45/02;5,10,14/03	36137	4	38/02	37139	8	23/02;1/03
26127	21	49/02;5/03	35011	2	48/02;1,25/03	36138	3	39/02;4/03	37140	33	21,22,24,27,29,31,35,49,51/02;4,6,16,24,25,30/03
26128	50	49/02;5/03	35016	17	29/02	36139	4	4/03	37141	29	20,21,23,36,40,48,51/02; 1,4,12,17,19,24,27,31/03
26129	11	26/02	35031	3	22/02	36140	12	21,22,24,36,41/02;4,10,27/03	37145	23	46,50/02;4/03
26142	10	24,33/02	35036	21	24,30,36/02;10,15,27/03	36141	7	4/03	37147	15	21,35,36,40/02;1,10,12,16,17,19,25/03
26210	2	24,36/02	35040	18	21,45/02;4,8,10,14,21/03	36142	6	24/02	37148	13	21,35,38/02;4,10,11,27/03
26218	2	31/03	35041	8	21,35/02;4/03	36143	4	34/02;5,30/03	37149	10	44/02
26219	5	31/03	35042	9	21,27,44/02;4,14/03	36144	10	20,24,34,44,45,47,50/02; 4,10,18/03	37150	8	21,22,31/02;14,19,26,27/03
26229	11	31/03	35044	9	38/02	36161	10	20,24,34,44,45,47,50/02; 4,10,18/03	37161	14	21,22,31,34,43/02;1,14,19,24/03
26230	12	31/03	35047	5	35/02	36162	10	20,35,45,47,50/02;4,18/03	37162	12	26/02;21,26,27,30/03
26240	7	23/02;9/03	35060	14	22,40,41/02;10,14/03	36163	13	20,31,34,35,38,44,45,47,50/02;4,18/03	37164	4	23,26,27,30/03
26244	3	9/03	35080	16	22,40/02	36164	7	34,38,44,46/02;8,15/03	37165	2	20,21,34,36/02;10,12,13,15,21,23,26,27,28,30/03
26245	16	51/02;15/03	35081	15	22,27/03	36165	6	20,22,24,28,36,44/02;10,27,30/03	37166	2	26/02;14,19,21,26,27,30/03
26259	2	51/02	35082	7	22,27/03	36167	2	24,40/02	37170	11	38/02;14,19/03
26260	5	24/02	35083	8	20/03	36173	1	40/02	37175	2	5,27,30/03
26261	27	8/03	35084	15	50/02	36178	1	40/02	37180	20	21,38/02;27,31/03
26262	3	8/03	35086	5	31/02;22/03	36180	23	20,21,22,36,40,50/02;4,27/03	37182	14	35,47,48/02;24,27/03
26280	7	23/02	35088	2	50/02	36181	18	20,21,22,36,40,50/02; 4/03	37183	9	48,51/02;10,24/03
26282	6	22,23/03	35099	3	41/02	36182	6	20,36,40/02;27/03	37184	8	48/02;5/03
26290	1	21/03**	35100	14	40,45/02;5,30/03	37000	22	23,28,47,48/02;14,23/03	37200	15	28,30/03
26295	1	21*,22/03	35101	6	41/02	37005	16	23,41,45,47/02;5,12,13,15,23,28,29,30/03	37202	2	22,27/03
26300	7	21/03*	35103	5	41/02	37010	23	23,26,41,45,47/02;10,12,13,15,19,23,27,28,29,30/03	37205	2	39/02;22,24,30/03
26308	5	21*,22,23/03	35120	13	40,45,47/02;5,30/03	37041	15	20,27,50/02	37221	13	20,21,24,25,27,28,34,36/02;6,10,11,12,13,14,15,21,23,29,30/03
26309	26	11/03	35130	3	48,51/02;5/03	37042	5	41,45/02	37222	13	27,28/02;21,22,30/03
26312	2	21/03	35135	1	5/03	37043	17	20,43/02	37223	14	26,42/02;21,26,27,30/03
26316	3	21/03	35136	2	48,51/02	37044	16	45/02	37224	11	22,23,30/03
26320	5	24,27,28,29,35/02;7,12,22,23,25,31/03	35141	11	34/02	37045	11	45/02	37226	17	20,21,25,28,30,39/02;8,9,12,14,17,21,23/03
26323	4	1/03	35143	7	34/02	37046	18	21,31,43/02	37228	14	21,24,27/02;8,14,23,27,29,30/03
26327	2	N41/02*;N17/03	35144	3	11/03	37050	9	26,42,46/02;10,12,17/03	37229	15	8/03
27005	4	6,8,9,22,23/03	35150	3	48/02	37060	3	21,31,46,50/02;9,13,18/03	37230	14	24,25,39/02;28/03
27040	5	9/03	35155	3	25/03	37061	15	36,38/02;5/03	37231	18	20,21,25,28,30/02;6,10,12,14/03
27041	4	50/02	35159	3	25/02	37063	21	21,28,36,50/02	37232	12	21/02;29,31/03
27060	2	22,23/03	35163	7	25,44/02	37075	3	21,31/02;5,18/03	37234	13	20/02;7,8,31/03
27080	4	20/02;15,22/03	35166	4	35/02	37079	5	22/02	37235	11	17/03
27081	6	49/02	35167	3	35/02	37080	3	24,27,30,33,34,38,40,42,44,45,46,51/02;1,4,7,9,14,15,18,20,21,22/03	37238	6	17,21,30/03
27082	6	49,51/02	35169	2	35/02	37081	23	20,21,28,38,43,50/02	37241	17	26/02;26,27,30/03
27083	39	28/03	35200	7	48,51/02;5,25/03	37082	9	28,44,50/02;11/03	37242	10	20/02;26,30/03
27084	4	13/03	35210	3	29/02	37083	8	20,22/02	37243	7	27,30/03
27100	2	31/02;8,21/03	35230	3	29/02	37084	9	20,22,38,40,43/02	37244	11	26/02;23,26,27,28,30/03
27102	11	28/03	35236	2	38,50/02	37085	8	38,40/02	37246	14	21,24,27,30/03
27120	4	41,43,44/02	35246	2	38,43/02	37086	8	38,50/02;4/03	37248	18	39/02;21,23,24,26,27,30/03
27142	5	9/03	35247	4	50/02	37087	7	38,40/02	37258	4	1,11,22/03
27160	2	8,13/03	35255	3	50/02;14/03	37088	9	5/03	37261	10	28/02;1,7,11,20,22/03
27161	4	8,13/03	35256	2	14/03	37089	12	21,28/02;4,13/03	37262	20	1,11/03
27163	21	49/02;8/03	35270	2	38,46/02	37090	8	27,32,45,51/02;1,7,9,14,16,22/03	37263	3	30/02;1,15,22/03
27183	8	1,9/03	35276	3	46/02	37095	3	24,28,32/02;1,7,9,11,14,15,16,20,22/03	37265	3	24/02;1,7,17/03
27186	8	1,9/03	35277	3	38,46/02	37101	9	27/02	37281	15	30/02;1,15,22/03
27188	8	1,9/03	35279	3	38/02	37103	9	27,29/02	37320	16	26,27,28,38,44/02;9,10,11,11,12,15,17,21,24/03
28004	1	20,23,45/02;8,9,22/03	35295	3	27/02	37104	3	41/02	37325	8	34,39,47/02;15,18/03
28006	1	8/03	35298	7	27/02	37110	11	24,27,28,29,47/02;20,25,31/03	37326	2	34,47,51/02;15,18,21/03
28050	3	28,34/02;26/03	35299	9	13/03	37112	1	47/02	37328	2	42,44/02;11,15,21,24/03
28084	4	17/03**	35301	6	17/03	37115	2	27,28,29,33,47/02;7,25,31/03	37330	2	22,24,26,30,32,34,38,40,46/02;9,13,14/03
28150	3	8/03	35302	7	17/03	37119	2	43/02	37342	3	32/02;2,11,15,21/03
28162	29	28/02	35303	7	40/02;17/03				37343	10	45/02
28164	17	28/02	35308	5	10/03				37344	11	32,34/02;21/03
28190	2	41,43,45,46/02;18/03	35310	2	22/02						
28196	4	41,43,45/02;18/03	35330	2	22,38,41/02						
28197	4	45/02;18/03	35350	2	38,41/02						
28202	22	41,44/02	35400	11	30/02						
28210	2	33,35,39,41/02	35402	3	38/02						
28220	2	35,39/02	35420	13	24,30/02						
28221	18	33,37,39/02;5/03	35421	14	31/02						
28223	4	35,39/02	35423	6	31/02						
28260	30	35,37/02	35424	3	30/02						
28263	3	35,37/02	36005	2	24,27,28,34,36,38,45,46/02;P12,14,17,24,25,27,31/03						
28264	3	35,37/02	36010	27	20,22,24,38/02;5,15,16,20,23/03						
28265	3	37/02	36015	2	24,27,36,46/02;27/03						
28281	32	36/02	36040	16	30/02;1,15/03						
28282	2	35/02	36046	5	38/02						
28300	1	23,39,50/02	36060	17	31,38/02;5,8,20,21/03						
28302	16	31,33,39,40/02;12/03	36061	5	46/02;20/03						
28310	2	23,31,33,35,39/02	36062	11	40*,46/02						
28320	6	33/02									
28321	36	29/02									
28323	2	27,29/02									



**CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 31/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
52088	2	45/02;4,10,11,12,14,18, P20,26/03	53203	11	5/03	54340	8	48,51/02;3,4,24/03	55170	2	29,31,36,41/02
52092	1	46,51/02;16/03	53204	10	44/02;5/03	54341	4	23/03	55175	1	24,28/02
52120	12	32,51/02;6,11,16,18/03	53205	3	5,26/03	54343	10	48/02;4,5,11,12,13/03	55180	2	33/02;1,15,29/03
52121	8	45,46/02;1,6,8,11,16, 23/03	53206	6	5,25/03	54344	6	48/02;24/03	55190	2	6,20,27/03
52122	14	45/02;11,14/03	53220	6	36,43,51/02;5,16/03	54346	8	11,12,13/03	55200	2	27/02;8,10,20,25,26,27, 28/03
52124	1	51/02	53223	5	29/02	54347	4	51/02	56031	1	1,2,17,21/03
52125	1	45,46/02;8,11,16,18/03	53226	3	3*,17,18/03	54350	4	51/02	56041	4	21/03
52140	6	48,50/02;3,12,18,29/03	53242	12	52/02;1,13/03	54351	7	52/02;26/03	56042	6	22/02
52141	5	48/02	53244	2	1/03	54352	3	52/02;1,3/03	56043	6	22/02
52142	2	12,18,23,29/03	53262	7	22,42/02;21/03	54360	12	20,52/02;20,21/03	56044	3	22,38/02
52143	8	18/03	53263	1	37/02;17/03	54362	3	52/02	56060	9	27/03*
52144	5	50/02;3,7,8,10,14,16,18, 21,23/03	53264	5	17/03	54363	3	20/02;21/03	56063	1	21/02;16/03
52161	14	6,11,14/03	53265	6	35,41,46,52/02;15,16/03	54364	2	52/02	56064	6	38/02;2,16/03
52164	2	14/03	53266	4	1,8,13,17/03	54365	6	36/02;11,21/03	56065	3	33,38/02;16/03
52170	3	14,16/03	53268	4	22,42/02;7/03	54368	4	20/02	56067	3	48/02*;20/03
52172	2	40/02;1/03	53269	5	17/03	54369	4	52/02;20,21/03	56081	19	41/02
52180	14	21,24,42,43,51/02;1,8,10, 13,15,16/03	53279	3	7,15/03	54372	2	20/02	56082	16	29/03
52200	8	7,17/03	53281	4	31,40,52/02;15,18/03	54380	6	26,42/02;3,16,18,28/03	56083	2	31/02
52220	7	27/03	53282	8	40/02	54382	9	26/02;16,28/03	56100	13	41,49,50/02;1/03
52221	7	27/03	53283	4	33,52/02	54386	10	42/02;16,18/03	56101	6	33/02;1/03
52223	4	27/03	53284	4	33,40/02;7,21,24/03	54387	7	23,42/02;16,18,30/03	56102	23	1/03
52240	9	27/03	53285	4	35/02;7,15/03	54389	8	43,52/02	56103	6	30/02;1/03
53011	2	51/02	53287	6	20,27,35,42/02;1,5,7,8, 10,15,22/03	54400	8	20,32,43/02;3,16,22, 30/03	56104	3	22/03*
53031	1	21,22,27,28,30,39,48/02; 5,12,14,24,31/03	53290	1	35/02	54402	4	52/02	56120	12	1/03
53058	2	4/03	53301	4	27/02;22/03	54403	4	22,43,52/02;24,30/03	56195	3	22/02*
53060	14	21,22,27,28,30,32,51/02; 4,5,9,10,12,14,31/03	53302	4	51/02	54407	4	32,43/02;3,7,16,30/03	57029	9	12/03
53061	10	28,30,44,47/02;12,16, 17/03	53303	6	49,51/02	54409	2	23,32/02;7,8,12/03	57035	10	10,12,23/03
53062	13	1,14,16/03	53306	2	21,39/02;31/03	54413	3	31/02	57063	5	40,41/02
53063	8	28,44,47/02;4/03	53311	3	39/02	54417	1	30/03*	57064	3	41/02
53064	6	33/02;10,20/03	54040	3	37/02;6,10,20/03	54418	4	32,43/02;3,7,16,30/03	57101	18	41/02
53065	2	33/02	54041	7	35/02;4,8,16,17,24/03	54419	2	3/03	57103	2	16/03
53066	2	33/02;20/03	54043	2	29/02;17/03	54421	6	28,47/02	57120	13	43/02
53081	8	21,30/02;4,5,11,16/03	54060	5	37/02;16/03	54423	5	48/02*;17/03	57140	10	43/02
53082	13	40/02	54061	11	52/02	54430	1	26,28,37,43/02	57141	14	43/02
53083	8	9,10,21,22/03	54063	3	1,13/03	54440	4	30,41/02;17/03	57142	6	43/02
53084	6	24,51/02;14,16/03	54081	3	10/03	54441	6	30,42/02;2/03	57160	10	43/02
53085	6	24,51/02;14,16/03	54085	2	40/02;15,24/03	54462	5	17/03	57161	4	31/02
53086	8	20,46,48/02;17/03	54090	3	46/02*;11,15,19/03	54464	5	17/03	57162	7	43/02
53087	9	48/02;17/03	54095	3	46/02*;8,15,30/03	54480	8	22,30,36,41/02;2,17, 21/03	57164	2	43/02
53088	7	33/02	54105	3	46/02*;8,13,17,19/03	54481	8	22,30,36/02	57165	1	43/02
53089	4	21,22,23/03	54115	3	46/02*;15,30/03	55001	4	29,36,37,42/02;14,15,28, 29/03	57170	1	43/02
53090	1	41/02	54120	5	20,37,39,41/02;15,17, 19/03	55040	4	23,27,28,31,32,39,41/02; 16,20,21/03	57200	6	11/03
53093	2	20/02	54125	3	46/02*;15,17,30/03	55041	7	22,32/02;21/03	57220	4	11/03
53100	16	21,24,28,33,39,42,51/02; 6,10,13,18,20,21,24, 31/03	54140	7	41/02;15,30/03	55042	1	21,27,28,42/02;17/03	57241	12	31/03
53101	7	33/02;8,13,16,24/03	54151	1	3/03	55043	2	21,23,27,28,37,39,42/02	57260	3	23/03
53104	2	20,35,42/02;20,24/03	54161	12	10,20,21/03	55044	5	22,23,41,43/02;16/03	57261	2	23/03
53105	20	37/02;8/03	54166	2	33,37/02	55045	2	21,23,41/02	57262	4	23/03
53106	6	20,24/02;21/03	54168	3	10/03	55046	4	21,22,23,26,27,30,31,37, 38,39,41,48/02;18,19/03	57381	12	52/02;15,16,23/03
53107	16	35/02;6/03	54169	3	37/02;17/03	55047	8	22,23,26,27/02	57400	4	12/03
53110	1	29,40/02;10,15,17/03	54180	6	41,43,50/02;5,30/03	55048	12	23,27,32,36,37,39,41, 48/02;20/03	57408	2	12,24/03
53111	3	31,44/02*	54195	2	5/03	55049	6	22,27,30,41,43/02	57411	19	24/03
53120	14	20,21,27,28,39,42/02;5,6, 7,13,17,31/03	54200	4	21/02;5,8/03	55060	7	20,36,37/02;28/03	57484	11	15,23,24,27/03
53122	3	20,29,40/02;7,8,16/03	54201	6	21/02;8/03	55061	1	28/03	57488	6	24/03
53123	3	7,29/03	54222	4	21,43/02;20/03	55062	5	28/03	61000	20	10,15,23,27,31/03
53125	2	46,51/02;13/03	54223	2	21/02;8/03	55063	1	6/03	61018	4	24/02
53130	1	27,42,47/02;10,13,18/03	54224	2	21/02;8/03	55064	3	23,37,48/02;6/03	61020	2	28/02;27/03
53133	3	41,46/02;16/03	54225	2	21/02;8/03	55082	9	5,25/03	61036	8	27/02;7/03
53135	2	20,51/02;7/03	54226	2	50/02	55084	7	39/02	61040	6	10,31/03
53141	5	20,24,34,51,52/02	54227	2	50/02	55085	9	5,31/03	61050	4	10,15,31/03
53147	3	36,39,42,51/02;6,7,10,13, 17,20/03	54266	2	13/03	55100	8	29,36,37/02;6,28,29/03	61051	7	15,24/03
53149	2	31/02	54279	4	50/02*;2,15/03	55101	4	7,25/03	61060	5	12,27/03
53160	14	20,51/02;3,6/03	54280	10	20/02;5,15,22/03	55102	3	24/02;4,5,15,25/03	61061	9	10,12,15,24/03
53161	8	51/02;3,8,13,18/03	54281	6	20/02	55103	2	24,29,48/02;1,4,5,7,15, 19,20,25,26,27,31/03	61070	4	9/03
53162	7	50/02*;15/03	54282	1	51/02	55104	2	48/02;4,5,7,14,19,31/03	61071	9	18/03
53164	9	20,37,51/02	54283	5	20,52/02	55105	7	29,36,41,42/02;14,15, 29/03	61080	4	9/03
53165	13	39/02;8/03	54284	1	51/02;15/03	55110	2	23,24,29,37/02;6,29/03	61090	5	12,27/03
53180	10	33,34,43,51/02;1,3,6,7, 13,15,18,20,21,29/03	54287	7	5,15/03	55120	2	36/02;6,14,28/03	61091	5	12,18,24,27/03
53181	4	34/02;1,13,21/03	54288	5	1/03	55127	2	10,14,24,27/03	61100	4	10,12/03
53182	4	36/02;15,16/03	54289	8	1/03	55128	2	26,33,36,38/02;1,4,5,8, 14,26,27,28/03	61110	3	28/02;25/03
53183	13	35/02;20/03	54300	12	31/02	55129	7	33,36,37/02;6,15,27/03	61111	12	25,27/03
53184	5	32,35/02;1,6,13,18,20/03	54302	1	31/02;21/03	55130	2	27,45/02;5,14,19/03	61120	4	28/02
53200	6	33,36,43/02;5,6,7,15,16, 20,30/03	54318	3	1,14/03	55131	1	27,36,45/02;6,19,25/03	61130	3	28/02
53201	6	51/02;18,21/03	54320	4	20,48/02;1,24,25/03	55133	3	5,14/03	61140	5	27/02
53202	6	15,17/03	54321	2	25/03	55139	5	41/02	61141	6	38/02
			54322	7	20/02;1/03	55140	2	1,5,14,29/03	61142	6	38/02;7/03
			54327	4	20,31/02	55150	2	24,28,29,37/02;15/03	61170	5	27/02
			54329	4	5/03	55160	2	24,28,29,42/02;29/03	61180	4	20,27/02
			54332	3	25/03	55161	1	29/02;17/03	61190	4	39,41/02
			54333	3	25/03				61200	7	21/02
			54334	3	5/03						
			54335	3	24/03						
			54337	3	31/02						
			54339	8	31/02;12/03						

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 31/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
61204	5	13/03	62432	16	13*,30/03	63290	7	31,32,38/02;10,22/03	71343	3	7/03
61300	2	7/03	62433	12	30,31,34,45/02;1/03	63291	9	33/02;16/03	71348	3	35/02;7,23/03
61310	2	33/02;7/03	62434	9	40,46,52/02;8,12,17,18,21,23/03	63310	5	11/03	71349	2	23/03
61311	5	33/02				63320	8	30/02	71350	8	20/02;5,6,7,14/03
61312	3	33/02	62437	10	30/03*	63321	6	30,42/02;9/03	71400	5	14,23/03
61331	4	7/03	62439	4	1/03	63322	2	30/02;9/03	71401	1	40,46,51/02;5/03
61400	2	27/02;7/03	62440	8	16/03*	63330	9	27,39/02;4/03	71402	1	40,46/02;4,5,6/03
61410	2	7/03	62441	10	36/02	63337	15	27,31,39/02;4/03	71410	1	39/02;12,23/03
61430	2	7/03	62442	6	24/03	63370	1	20/03	71420	1	38,39/02;3,12,14,23/03
61433	1	7/03	62448	2	23/02	63400	1	39/02;8,11/03	71430	3	11*,20,23/03
61434	2	7/03	62451	7	21,23/02	63410	6	39/02;8,9/03	71440	2	11*,23/03
61450	2	27/02	62453	4	16/03*	63413	5	39/02	71445	1	7/03
61472	1	20/02	62455	7	27,39,43/02	63417	2	39/02	71450	1	22,25/02;7/03
61540	2	20/02	62456	1	27/02	63420	2	39,45/02;8/03	71455	2	11*,23/03
61560	2	7/03	62457	6	11/03*	63424	2	45/02	71460	1	20,25,41/02;23/03
61562	2	6/03	62459	2	6/03	71005	1	34/02;2,6,12,13,16,23/03	71465	1	20/02
61581	5	28/03	62460	4	24,31,33/02;10/03	71006	5	39/02;23/03	71470	2	38/02;14/03
61582	4	28/03	62464	2	31,49,50/02;4/03	71009	3	39,46,48/02;1,6,7/03	72000	8	31,32,35,47,50/02;2,20,21,23,24,27/03
61591	4	28/03	62480	2	16*,18/03	71012	3	33,39,46/02;1/03	72007	10	30,36,38,47,51/02;2,5,7,11,27/03
61610	7	28,29/02	62490	2	16*,17,18,21/03	71015	4	23/03	72014	10	46/02;7,19/03
61611	11	28/02	62498	4	23,25,27,31/02;4,9,31/03	71018	10	33,35,37/02;7,12,13,15,21,25,26,27/03	72021	8	31,36,38,47,50,51/02;7,20,23,27/03
61612	4	28/02	62499	4	25,27,31,49,50/02;4,9,31/03	71027	9	20,22,24,25,34,38,45,49/02;2,4,5,14,18,23/03	72028	7	31,34/02;22/03
61650	3	12/03	62510	3	11*,12/03	71033	31	23,37,38,49/02;3,12,14,15,23/03	72035	8	31/02;8,21,27/03
62001	5	11*,28/03	62512	3	N11*,N12/03	71036	8	35,44/02;12,14,23,26/03	72045	2	8,27/03
62024	13	38,40/02;29/03	62515	2	26,45/02	71040	5	27,34,42/02;7/03	72050	4	23/03
62028	15	10/03	62520	6	20*,28/03	71042	1	34/02	72060	8	32,50/02
62032	16	11*,17,21/03	62521	4	N20*,N28/03	71043	2	25/02*	72070	4	32/02;2,9/03
62033	3	N11*,N17,N21/03	62530	6	20*,28/03	71044	1	27/02	72075	2	20/02;9/03
62046	3	19/03*	62531	4	N20*,N28/03	71045	2	23/03	72080	7	20,51/02;2,9/03
62050	6	44/02	62540	6	21,23,25,26,29,31,32,34,40,45,48,50,52/02;8,12,17,18,21,30/03	71058	2	23,36/02	72085	3	15/03*
62092	7	41/02				71059	1	23,36/02	72094	2	29,38/02;7/03
62093	7	41,49/02	62541	3	N21,N23,N25,N26,N29,N31,N32,N34,N40,N45,N48,N50,N52/02;N8,N12,N17,N18,N21,N30/03	71061	15	23,36/02	72100	7	29/02;7,19/03
62095	3	11/03*				71066	1	39/02;6,7,10,24/03	72103	2	29/02;4,6,7,19/03
62100	6	P23,26/03				71081	3	21/03	72105	2	36,38/02;7,11,19/03
62110	9	P23,26/03				71091	4	1,2/03	72107	2	27,29/02;7,19/03
62140	1	34,40/02				71140	6	33,39,46/02;1/03	72109	3	42,44/02
62142	10	24,28/02				71180	29	33,37/02;7,12,13,15,21,23/03	72130	4	46/02
62143	3	24,28/02	62550	3	16*,28/03	71183	13	32/02	72131	3	11/03
62144	3	24/02	62560	4	16*,18/03	71185	24	7,13,15/03	72161	10	10/03
62170	2	38/02	62570	4	21,23,25,26,31,32,33,34,36,40,45,48/02;8,12,17,18,30/03	71186	2	7/03	72181	2	36/02;7,11/03
62171	4	38,47/02				71210	18	44/02;3,23,27/03	72190	2	30/02;10/03
62191	15	11*,15,28/03	62580	3	23,26,32,33,45/02;12/03	71211	4	38/02	72201	8	8/03
62193	17	31/02	62590	2	28,29,36,40,46,48/02;8,12,17,18,21,23,30/03	71212	1	38/02	72211	6	43/02;5,8/03
62194	8	31,36/02;4/03				71220	11	23,38/02;6/03	72223	8	27/03
62195	7	19/03*	62591	3	N28,N29,N36,N46,N48/02;N8,N12,N17,N18,N21,N23,N30/03	71241	10	6,12,16,20/03	72231	3	31/02;21/03
62220	9	21/03*				71245	5	15/03*	72234	2	18,19/03
62222	5	19/03*	63000	13	27,28,48/02	71247	18	20,21/02;5,6,8,14,17,21,22/03	72236	1	9,12/03
62225	3	37/02;17/03	63005	18	25,31/02;16/03				73000	9	26,40,52/02;10,20,21/03
62241	10	9/03	63010	14	26,29,31,52/02				73002	4	24,30/02;5,11/03
62242	11	47/02;9/03	63015	11	31,38,40,52/02;9/03	71248	2	N51/02*;N1/03	73004	4	26/02;10/03
62250	4	34,38/02	63020	15	27,31/02;4,9,11/03	71249	2	35/02	73006	2	26/02
62270	4	37,41/02;29/03	63040	2	46/02	71251	11	20,35,40/02;1,15,21/03	73008	8	11,13,23/03
62271	5	37,41/02;10/03	63050	2	46/02	71253	10	21,35,40,42/02;5,6,7,13,14,16,17,21/03	73012	6	11/03*
62285	2	26/02	63054	3	31/02				73014	10	48,52/02
62290	3	26,37,41/02;10,21,P23,26/03	63055	2	29/02	71255	6	28/03*	73016	4	44/02
62292	2	24/02	63060	7	25,28,32/02	71257	2	21,23,28/02;5,6,7,12,13,16/03	73020	9	25/02;9,21,22/03
62295	3	21,P23,26/03	63062	7	28,29/02;7,16,18/03				73024	3	39/02
62302	2	4/03	63063	9	27,29/02;20/03	71258	2	20,21,28,35/02;5,6,7,13,22/03	73030	4	20/02;22/03
62310	2	27/02;29/03	63070	3	20,27,28,29/02;16/03				73032	4	25/02;9,22/03
62313	4	27/02	63080	5	26,27,28,31,48/02	71259	3	15*,17,19/03	73041	2	5/03
62330	2	38,40/02	63090	8	25,31/02;15,30/03	71261	8	35/02;2,16/03	73191	3	7/03
62340	3	38/02	63091	4	26,27,32,39,48,52/02;9/03	71262	7	6/03	73271	7	21/02;13/03
62343	3	8/03				71265	3	46*,49/02;7,13,15,16,20/03	73552	4	25,34,45/02;1,7,9,10/03
62350	3	10/03	63100	2	44/02;30/03				73570	7	34,45/02;1,10/03
62355	6	8,29/03	63101	15	15,30/03	71271	10	23,25,30,34,52/02;19/03	73580	4	52/02
62360	5	38/02;12/03	63102	19	26/02;15,30/03	71272	10	23,30,34/02;19/03	73581	4	52/02;3/03
62361	2	N38/02;N12/03	63103	17	26,29/02;15,16/03	71275	3	23,35/02;2,6,16,19/03	73590	6	31,47,52/02
62366	3	38,40/02;2/03	63110	4	40/02;16/03	71281	7	51/02	73601	3	24,26,31,34,35,47/02
62393	7	34,37,50/02	63111	9	25,48/02;9/03	71285	3	23,25,30,34,52/02;13,19/03	73610	4	26,31/02
62394	10	34,37,50/02	63120	2	44,48,52/02;8/03				73631	4	36,46/02;1,17/03
62395	3	25/03*	63121	5	48/02;5,8/03	71295	2	25,26,30,34,39,40,52/02;12,19/03	73640	5	23,36/02;16/03
62400	17	23,24,33/02;4,9,31/03	63150	1	25,31/02				74000	6	24,36,47/02;2,7,18/03
62401	9	6,10/03	63200	5	52/02;30/03	71305	2	31,34,36/02;2,13,23/03	74002	2	25,27,28,35,47/02;31/03
62402	10	10/03*	63201	9	40/02;30/03	71311	4	7/03	74003	5	22,25,28,47/02;7,10,31/03
62404	3	6/03	63205	2	30/03	71313	8	45/02			
62406	2	24,33/02;28/03	63210	3	45,52/02;16,30/03	71314	5	6,10/03	74004	2	35,37,39,47/02;9,30/03
62408	7	10/03	63220	5	26,45,52/02	71315	2	27,31,34/02	74005	2	31,34,35,46,47,51/02;4,7,9,16,27,30/03
62409	6	7/03	63230	6	45/02	71320	1	35/02;5,14/03			
62411	1	52/02	63231	8	31,45/02	71325	8	5/03	74006	2	26,31/02
62413	12	28/03*	63232	3	45/02	71330	13	35/02;5/03	74007	1	36/02
62417	1	52/02	63233	15	31/02	71331	11	5,7,8/03	74008	6	51/02
62419	6	33/02;8/03	63240	4	19/03	71333	2	6/7/03	74009	10	20,22,25,38,49/02;8,9,21/03
62420	5	33,37,39/02;8/03	63250	6	29,40/02;11/03	71335	2	8/03			
62429	9	27,39,43/02	63271	8	52/02;8/03	71340	11	22,40,46/02;2,4,5,6,7/03			
62431	8	26*,27,37/02									

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
74012	10	20,22,26,37,40,49/02;6,8,19,20,27/03	74380	4	22,32/02;8,9,26/03	75193	6	22,49/02;1,5,7,10,16,19/03	83397	6	1/03
74015	10	20,40/02;21,31/03	74391	3	26/03	75207	2	36,52/02;4,16/03	83425	6	20,35/02
74016	3	27/03	74392	7	22,25,39/02;25/03	75208	2	26,50/02;30/03	83484	10	23/03
74017	4	37,45/02;18,31/03	74393	9	25,28,31,38,41,50/02;3/03	75213	2	36,52/02	83570	2	24/02
74018	6	44/02	74394	2	28,31,41,49,50/02;3/03	75215	2	36,39,40,52/02;7/03	83572	1	24/02
74020	4	33,37,38,43/02;5,18,31/03	74410	3	20,25,38/02;7/03	75220	12	36,39,49/02;4,20,26/03	83574	2	7/03
74021	7	20,33,35,39,44/02;7,10,26,31/03	74415	1	39/02	75222	8	22,35,40/02	83580	2	24/02;8/03
74024	7	31,44/02	74420	3	45/02;19,27,30/03	75240	4	36,39/02;2,4,27/03	91005	6	45/02;19/03
74027	9	43,44/02	74430	2	49/02	75241	6	34,36/02;26/03	91008	1	29,44,48/02;8,10,12/03
74030	6	28,51/02	74440	3	32,39/02;2/03	75251	5	23,33,48/02;3,19/03	91010	6	29,48/02;10,12/03
74053	2	28,51/02	74450	3	21,22,26,49/02;2/03	75261	6	21,23,24,33,36,48/02;3,6,26,31/03	91020	5	21,22/02;19/03
74054	2	28/02	74455	3	21,23,48/02;1,4/03	75262	6	38/02;16/03	91025	8	21,22/02
74151	9	20,24,27,36,44/02;2,20,29/03	74460	4	21,22,26,37,40,46,49/02;6,20/03	75263	9	32/02;5,26,31/03	91030	3	21/02
74152	11	36,44/02;27,30/03	74465	2	9/03	75264	17	33,34,37,41,42,44,45/02;2,27/03	91080	4	21/02
74153	2	36,44/02;2,27/03	74470	2	8/03	75265	2	20,21,24/02;6,20,31/03	91096	1	21/02
74162	4	36,46,47/02;8/03	74475	2	44/02	76015	1	23,24,29,35,40/02;28/03	91170	2	38,41,44/02
74171	4	33,36,47/02;3,10,18,20/03	74480	2	44/02	76030	9	24,49/02	91286	7	22/02;19/03
74172	5	36,47/02;7,10,18/03	74485	3	43/02	76050	8	24,49/02;18,28/03	91289	19	20/02
74181	8	23,28,33,35,37,38,39,47/02;10/03	74493	3	38,43,45/02	76052	8	21/02;4,5,28/03	91294	8	19/03
74182	12	23,24,25,26,28,33,35,37,38,39,41,42,44,51/02;6,10,17,25/03	74494	2	41/02;8,9,16/03	76054	5	49/02	91297	9	19/03
74183	11	38,39,42/02;4,6,17,25/03	74510	2	33,35,37/02;5,10,17,18/03	76056	3	9/03	91300	3	21,22/02
74184	10	23,24,28,33,35,37,38,46,48/02;17/03	74515	4	20,28,33,35,39/02;4,7,10,31/03	76060	7	40/02	91331	3	21/02
74186	7	34/02;4,10,17,21,27,30/03	74517	3	20,21,39,41/02;4,31/03	76061	3	40/02;9/03	91340	3	21/02
74190	7	22,23,26,35,36,37,46/02;1,16,31/03	74521	3	28,41/02	76070	9	23,35/02;28/03	92006	5	45,46/02;5/03
74191	2	22,24,26,35,46,48/02;1,7,9,29/03	74527	2	28/02	76071	9	23,35/02;28/03	92025	3	21/02
74192	3	24,26,28,35,46/02;1/03	74530	2	28,44/02	76080	8	1,18/03	92030	4	21/02
74200	8	21,27,28,37,46/02;1,8/03	74535	2	31,42,44,48/02	76081	7	28/03	92033	5	45/02
74201	9	27/02	74545	3	28,40/02;18/03	76083	3	1/03	92060	3	21/02
74202	3	21,24/02;1,7,27/03	74550	4	5/03	76110	5	23/02	92061	3	21/02
74204	5	21,24,27,37/02;1,7,8/03	74553	3	34,43,44,48,51/02;5/03	76120	6	22,23,25/02	92290	3	19/03
74205	2	24,25/02;27/03	74560	10	23,28,32,40,43,46,48,50/02;4,5,18,31/03	76140	7	46/02	92296	3	19/03
74206	2	24,34/02;27/03	74561	2	5/03	76141	8	46/02;28/03	92450	3	21/02
74210	7	25/02;7,17/03	74581	9	20,26,32,34,36,40,41,43,45/02;27,31/03	76142	1	46/02	92470	3	21/02
74220	8	23,25,26,35,47,51/02;30/03	74582	9	26,28,40/02;17,20,27,31/03	76144	1	28/03	92560	4	45/02
74221	2	35,51/02;30/03	74583	15	26,32,34,40,43,44,48/02	76146	1	28/03	93006	2	21,39,45/02;4,8,10/03
74229	2	22,23,33,37,43,47/02;18,26/03	74584	5	22,25,32,34,41,43,45/02;26,27/03	76147	1	28/03	93010	6	22,27,38,40,41/02;2,13,14,18,24/03
74230	7	28,39,42/02;5,7/03	74590	2	28,51/02	76150	6	35/02	93018	8	27/02;1,14,18,24/03
74231	7	23,35/02;3,21/03	74591	7	40/02;8/03	76151	7	22/02	93020	2	24,38/02;4,13/03
74232	9	5,7,21/03	74595	2	28/02	76160	4	28/03	93025	5	45/02
74234	1	8,17/03	75000	6	47/02;6,31/03	76161	10	40/02	93030	6	45/02
74240	8	34,39,42/02;4,5,7,8,9/03	75001	3	23,47/02;5,6,31/03	76162	1	18,28/03	93032	3	45/02;24/03
74251	8	23,25,26,31,32,34,37,42,44,46,51/02;6,9,17,21/03	75010	7	41,42,50/02	76170	7	29/02;28/03	93043	1	45/02
74252	9	47/02;5,7,9/03	75025	9	22,23,36,39/02;2,4,8,25,27/03	76180	1	22,23/02;28/03	93046	1	45/02;5/03
74253	6	23,25,27,32,47/02;8,9,16,20,21,30/03	75035	18	21,24,36,39/02;2,6,26,27/03	81048	8	28/03	93047	2	45,49/02;24/03
74261	9	25,41,49/02;4,10,30/03	75051	6	5/03	81054	13	14*,27,28/03	93048	1	35,49/02;5,14/03
74265	2	25,31,38,41,43,47,49/02;7,9,16,21,30/03	75110	2	50/02	81067	5	51/02;10,12,16,25/03	93049	1	45/02;4/03
74270	3	26,31,38/02;7/03	75120	2	42/02	81076	9	51/02;10,12,16,27/03	93061	4	45/02
74271	9	28,38,46/02;19,26,27,29,30/03	75130	16	21,27,31,34,41,50,51/02;5,7,8,16,19,25,26/03	81092	3	38*,50/02	93101	2	N24,N34,N38/02;N2/03
74272	7	26,32/02;4,19,29,30/03	75131	7	20,28/02;17/03	81711	6	23/02;31/03	93110	2	22,24,38,40,41/02;1,2/03
74273	5	31,38,41,43/02;7,19,27/03	75132	11	31/02;17,19,25,29/03	81715	4	23/02;31/03	93115	2	40,41/02
74281	7	3,30/03	75134	3	23,27,33,51/02;5,19,29/03	82005	5	17/03	93117	2	40,41/02
74283	2	46,49/02;27/03	75142	5	21,28,36,42,50/02	82010	6	17/03	93160	4	27,34/02;1,14,24/03
74285	2	31,34,35,45/02;1,9,16/03	75143	4	20,28,32,33,36,38,42,50/02	82015	13	22/02	93180	7	27,34/02
74286	2	22,24/02;29/03	75144	3	20,31,33,36,42,51/02;4,10,18,25,30/03	82020	7	22/02	93200	4	26,27/02
74287	2	27,34,38,52/02;9/03	75150	5	50/02;16,19,26/03	82200	2	17/03	93220	6	27,34/02
74289	5	26/02;9/03	75160	6	22,23,24/02;17,18,19,25/03	82210	2	42,48/02	93240	11	34/02;16,24/03
74290	11	25,34,39,45,46,48,49,51/02;1,7,9,10,16,27,30/03	75170	12	38,39/02;8,25/03	82242	1	35,48,50/02	93241	9	8,16,25/03
74292	8	27,34,38/02;9,27/03	75171	22	22,27,31,32,33,36,38,40,42,48,52/02;1,6,16,26/03	82244	5	35,42,48/02;20/03	93243	6	42/02
74293	7	25,34,45,48/02;9,16/03	75172	5	39/02	82253	7	35,48,50/02;20/03	93244	7	16/03
74294	3	25,34,45/02	75173	9	20,25,31,32,33,36/02;1,6,20,26/03	82374	9	22/02	93245	6	16,24/03
74295	3	22/02;4,9,27,29/03	75175	9	31,33,38,40,45,50/02;6,18/03	82377	2	22/02	93247	4	26/02
74296	4	27,34,38,49/02;9,27/03	75176	9	27,42,50/02;25,26/03	82646	2	33/02	93260	8	27,31/02;7,18/03
74320	3	35/02;8,18/03	75177	7	27,38,48,50,52/02;6,26/03	82649	5	20,33/02	93261	5	31/02;7/03
74340	3	27/02;16/03	75180	2	8,25/03	82683	4	33/02;17/03	93280	4	18/03
74350	4	25/02;16/03	75185	2	22,47/02;8/03	82684	3	33,38/02;7/03	93360	5	38/02
74376	5	43/02;9,16/03	75190	2	23,47/02;25/03	82689	3	38/02;17/03	93520	13	45/02;15/03
			75191	6	22,25,37,38,43,47/02;8,19,30/03	82690	10	20/02	93610	3	44,45/02;6/03
						82694	6	38/02;17/03	93650	2	44/02;6,24,28/03
						82697	6	38,46/02	93652	2	3,6,24/03
						83010	6	6/03	93680	3	45,47/02;24/03
						83020	8	24/03	93690	2	44/02;6/03
						83021	1	25,27,43/02	93698	3	45/02;28/03
						83023	4	25,27,43/02	93710	3	26/02;6,15/03
						83025	1	12/03	93720	10	39,45,50/02;8,15,17,20,24,28/03
						83026	32	41/02;6/03	93721	5	20,22,26,32,39,42,45,50/02;4,11,17,20,23,25/03
						83039	11	41/02;6/03	93725	6	20,45/02;24/03
						83251	2	2,12/03	93726	4	26,48/02;8,12,17/03
						83252	8	2,12/03	93730	3	21,39,40,42,45,47,50/02;2,4,17,24,28,31/03
						83253	2	12/03	93733	13	21,22,26,32,39,45/02;4,19,20,25/03
						83382	9	20,25,27/02			
						83383	2	20,25,27/02			
						83385	19	20,27/02			
						83392	5	31/02			
						83393	2	N31/02			

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 31/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
93734	11	22,26,32,45/02;4,19,20,25/03	95066	11	20,41,43,44,47,48,49,50/02;1,5,6,17,19,21,23,25,27,31/03	95185	2	20,31,40,44,49/02;10/03	97101	1	28/02;21,25,26/03
93736	22	22,26,32,41/02;4,20,25/03	95067	13	41,44,46/02;1,5,10,17,23,28/03	95200	6	23/03	97104	4	20/02;7/03
93778	8	47/02;7/03				95250	4	44/02;1,6,16,20,22/03	97105	3	20/02
94004	6	29,30,33,37,44,52/02;8,9,10,12,17,18/03	95068	1	41,42,45,47/02;12,14,17,25,28,29/03	95255	2	44/02;1,7,13/03	97108	3	21,25,26/03
94016	2	23,33,35,52/02;3,9,10,14,17,21/03	95080	13	25,27,30,33,40,44,45,50,52/02;1,6,7,9,10,14,17,19,21,24,25,27,28,30,31/03	95258	3	6,16,18/03	97120	6	22,28,31,37,40,42,43/02;9,14,16,17,25/03
94028	7	23,25,40,42,52/02;1,6,7,8,9,11,14,17,21,24,27,31/03	95082	9	21,25,27,30,33,44,46/02;1,4,7,11,17,25,27,28,30/03	95261	7	48/02;1,5,9,16,23,28/03	97140	17	22,33,37,39,43,45/02;7,9,14,16,25/03
94033	5	19,21,23,29/03				95262	13	41,46/02;1,6,9,27/03	97141	5	21,40,46/02;8,13,20/03
94040	13	30,37,47,51/02;6,8,10,17,18,28,31/03	95083	8	21,25,33/02;1,4,19,28/03	95264	8	48/02;25/03	97143	11	21,31,43,45/02;9,13,20,25,26/03
94042	9	47,51/02;7,18,24/03	95084	7	50,52/02;8,12,17/03	95267	5	13,20,23,26/03	97144	14	44* 46/02;7,8,9,13,20/03
94060	10	27,29,30,33,37,46,47/02;7,8,10,12,14,15,18,24,31/03	95085	4	45,52/02;1,6,11,12,27/03	95274	3	48/02;23,28/03	97146	10	44/02*;15/03
94061	5	33,35,47/02;23/03	95086	5	45,52/02;1,6,8,11,12,23,27,31/03	95276	3	21/02*	97149	9	21*,23,45/02;9,27/03
94063	4	29,33,41/02;8,18/03	95087	3	21,25,33,40,48/02;1,8,30,31/03	95280	9	48/02;8,20,26/03	97150	13	34,39,43,44/02;20,27/03
94067	10	33/02;10,11/03	95100	12	38,39,43,44,45,46,47,50,52/02;1,4,5,8,13,14,17,23,25,27,28,29,31/03	95281	15	7,10,14/03	97151	16	31,35,44,45/02;12,13,14,16,20,25/03
94080	7	27,29,30,33,44,48/02;10,19,22/03	95101	8	39,44,50/02;1,5,6,9,14,17,28,31/03	95282	7	46,52/02;4,6,9,19,20,22,23/03	97152	8	37/02;20/03
94082	8	25,27,30,44/02;8,19,22/03	95102	8	38,42,45,46,47,48,50,52/02;1,4,5,8,13,14,17,23,25,27/03	95285	3	18,20/03	97153	7	31/02;16,20/03
94083	12	25,44/02	95103	8	42,43,45,47,52/02;4,6,7,10,12,19,27,28,31/03	95300	5	45,48,52/02	97154	2	36/02
94084	1	23,25/02	95120	7	20,21,42,43,52/02;1,4,14,21,26/03	95320	15	35,38/02;20,21,26/03	97155	14	20,31,35,36,37,39,40,48/02;12,13,18,20,28/03
94120	6	21,33,38,48,52/02;9,10,17,18,21/03	95138	8	45,46,48,49,50,52/02;8,16,17,19,23,24,25,27,28,30/03	95341	8	42,47/02;1,10/03	97156	6	21,37/02;1,14/03
94122	7	30,40/02	95141	8	45,47,50,52/02;1,6,7,8,17,19,21,23,25,29/03	95342	16	30/02;9,13,16,20/03	97157	1	35,37/02
94123	9	21,33,38,42,44,52/02;9,10,15,17,18,28/03	95142	9	50,52/02;8,10,19,23,29/03	96004	14	44,45/02	97158	4	25/03
94124	13	38,42,44/02;10,15,17,25,28/03	95143	11	40,45,47,48,49,50/02;1,5,6,7,8,9,10,11,12,13,16,17,19,23,24,25,27,28,30/03	96020	4	41/02	97159	6	33,39/02;7,14,16/03
94127	2	21,33,38/02;6,9,13,16,18/03	95144	9	38,41,46,48,50,52/02;1,6,8,9,10,11,13,16,21,23,24/03	96032	3	38/02	97163	14	23/02;14/03
94160	7	26,27,33,38,44,46,47,50,51,52/02;9,10,12,16,17,18,19,28,31/03	95146	14	36,38,39,40,41,44,46,47,48,50,52/02;1,8,9,16,21,23,24,31/03	96039	7	30/02;23/03	97164	1	7,14,16/03
94164	2	26,27,46,50,51/02;12,16,19/03	95147	13	39,41,44,45,46,47,48,49/02;1,5,9,19,23,25,28,29,31/03	96041	11	30/02	97165	1	7,16/03
94165	4	20,26,50/02;18,24/03	95149	9	22,34,36,37,38,41,43,48,49,52/02;8,9,19,24,25,27,30/03	96042	11	10,21/03	97166	1	33/02;21/03
94180	9	26,32,42,44,47,50,51/02;23,28/03	95151	17	34,36,37,38,40,47,50/02;1,5,19,23,28,29,30/03	96044	10	29,30/02;23/03	97167	2	23,33/02;21/03
94184	2	N51/02	95152	5	37,38/02;6,9,19,28,30,31/03	96120	6	30/02;21/03	97180	6	22,31,34,39,43,45,46,48/02;4,8,13,20,22,26/03
94187	3	32/02;14,23/03	95153	2	22,34,36,37,38,43/02;19,25/03	96140	5	30/02	97181	20	22,25,31,34,46,48/02;1,4,7,8,12,13,14,17,18,20,22,23,26,27/03
94188	2	44,46,47,51/02;8,28/03	95160	13	27,41,42,47,52/02;1,6,8,9,11,17,19,21,24,25,27/03	96379	1	10/03	97182	13	21,23,31,34,39,46,48/02;1,4,5,6,7,8,12,14,17,18,20,21,22,23,27/03
94201	1	51/02;24,28/03	95161	16	27,31,40,45,48,50/02;1,5,6,8,9,10,17,19,23,25,27,30/03	96381	2	10/03	97183	9	25,44/02;5,9,14,16,18,22,26/03
94203	10	22,26,41,42,44,46,47,52/02;10,11,24/03	95162	2	20,40,44,47/02;10,14,19,30/03	96382	2	10,12,21/03	97184	15	25,28,47/02;1,7,12,14,18,22/03
94206	3	22,26,41,42,44,47,52/02;11,19/03	95163	2	27/02;1,6,9,10,13,14,17,21/03	96400	4	12/03	97185	2	43/02;1,7/03
94207	5	N26,N42,N44,N47,N52/02;N11,N19/03	95164	4	43,48/02;1,6,9,27/03	96441	1	41/02;10/03	97187	3	44,48/02;9,18/03
94208	6	N44/02	95167	10	44/02;1,6,9,11,14,17,21/03	96480	3	41/02	97188	2	1,7,13,17,20,22,27/03
94216	6	27,45/02;10,17/03	95169	2	44,50,52/02;11,16,23/03	96500	6	41/02;10/03	97189	2	25,28,44/02;9,14,18,22/03
94217	4	30/02;6/03	95171	1	1,6,9,21/03	96521	7	10/03	97190	2	22,34,39,52/02;8,13/03
94218	3	30,36/02;6,18/03	95172	1	1,9,21/03	96523	3	21/03	97200	9	52/02;8,16,17,22,25,26,29/03
94219	1	47/02	95173	1	50,52/02;1,28/03	96540	5	10/03	97201	7	18,28/03
94220	4	22,26,41,42,47,49/02;8,10,11,17,18/03	95174	1	50,52/02;12,27/03	96545	5	10/03	97202	15	43,44,52/02;20,25/03
94260	5	49/02;1,6,11,31/03	95176	2	20,31/02;8,11,30/03	96560	5	10/03	97204	9	28,29,45,52/02;4,6,10,19,20,25/03
94280	5	51/02;15/03	95177	1	41,50/02;9/03	96580	3	10/03	97205	3	18,28/03
94281	6	6/03	95180	11	27,40,42,44,49/02;1,6,9,10,21,23/03	96621	5	10/03	97206	2	23/03
94282	9	46/02;8/03				96645	1	26/02	97218	3	21,41/02;6/03
94283	7	46/02;2,8,12/03				96760	4	29,35,45/02	97219	4	21,25,31/02;6,9,13,20,23,25/03
94290	2	1,7,31/03				96763	3	29/02;17/03	97220	3	21,24,31,37,39,42,43,44/02;6,8,9,17,18,23,29/03
94322	14	8/03				96764	2	7/03	97221	20	21,24,31,37,39,42,44,45,49,52/02;6,8,9,10,13,17,18,19,20,22,23,25,26,29/03
94360	6	32,43/02;6,13/03				96800	4	41/02	97222	12	25,28,47/02;10,22,29/03
94361	13	32/02;13,15/03				96901	3	27/02;7/03	97223	3	42,44,48/02;16,17,22,23/03
94363	4	32,43/02;16,18,29/03				96902	2	45/02	97224	6	25,27,46,47,49/02
94380	4	N5,N6,N18/03				96904	2	27,41/02;12/03	97225	31	21,24,37,39,42,44,45/02;6,8,9,10,17,18,19,23,25/03
94384	3	5/03				96906	2	27/02	97226	7	18/03
94420	3	39/02;4,8,11,13,14,23/03				96910	1	10/03	97227	11	21,24,42,43/02;9,18,30/03
94421	10	45/02;4/03				96937	2	40/02	97228	15	21,28,30,39,40,42,43/02;5,6,9,15,17,18,20,21,22,27,29/03
94423	12	45/02;11/03				96938	4	4/03	97229	12	24,27,31,36,39,47/02;6,8,9,18,28/03
94427	2	N32/02				96939	3	4,7,9,22/03	97230	18	29,36,52/02;6,9,28/03
94440	2	46/02;18/03				96941	8	47/02	97231	11	21,41/02;6,23/03
95016	8	40/02				96943	15	44/02;1,9,10,12,20,22,23/03			
95040	8	40/02;11/03				96944	6	45,52/02;6,13,20/03			
95041	7	23/03				96945	3	43,52/02;20,22,23/03			
95060	13	40,43,44,47,48,52/02;1,6,11,14,17,19,21,23,29,31/03				96947	5	6,12,13/03			

## SECTION I

NM 31/03

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 20/02 THROUGH NM 31/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
97232	8	20,25/02;22,25/03	97461	9	21/02;5,8,19,21,22,23,26/03
97233	11	31,33,43,44,49/02;1,5,6,9,15,16,23/03	97465	9	21/02;1,6,8,19,20,22/03
97234	17	29,43,47,49/02;1,6,8,9,16/03	97466	2	25,46/02;1,23,27/03
97236	20	31,47/02;9,16,23/03	97469	10	26/02;1,6,8,19,20,22/03
97239	10	31,33/02;1,5,9,16,23/03	97471	5	N31/02;N22/03
97241	6	10/03	97472	8	34/02
97243	8	21,28,29,31,33,48/02;1,5,6,21,27/03	97474	7	21/02;22/03
97244	5	9/03	97480	7	21,35,52/02;3,9,10,17,18,21/03
97245	11	28,36/02;1,5,9,29/03	97481	6	47,49/02;9,18,20/03
97246	7	43,52/02;5/03	97483	7	48,52/02;20/03
97251	4	6,10,17/03	97521	6	42/02;16,18,20/03
97261	15	41/02;1,5,7,18,21,26/03	97564	3	16/03
97262	10	21,29,34/02;1,5,6,7,15,21,26/03	800669	8	N20/02
97263	10	5,7,9,15,18,21/03	800744	1	N22,N49/02;N5,N12,N13,N16/03
97266	5	37,41/02;1,5,6,7,14,15,18,26/03	801217	1	N21/02;N6,N8,N19,N20,N22/03
97267	16	25,29,40,41/02;1,5,6,8,10,13,18,26,27/03	801885	3	N28/02
97268	10	6/03	801902	9	N25,N31/03
97269	11	20,45/02;8,13,18,27/03	802202	8	N23,N31,N35/02;N1,N7/03
97270	6	36,44/02;1,5/03	802260	5	N20/02
97271	12	25,29,37,39/02;6,10,12,26/03	803404	2	N26/02
97272	11	52/02;6,10,12,14,23/03	804037	1	N28/02
97273	10	27,34,42,45,49/02;6,8,9,13,14,15,18/03	804059	2	N20/02
97274	19	27,31,34,39,45/02;6,9,15,17,18,23/03	804567	4	N31/03
97276	1	27,29,40/02;9/03	805118	3	N12/03
97277	11	27/02;1,5,6,8,9,14/03	805647	2	N37,N51/02;N30/03
97278	11	39/02;1,20/03	806927	8	N25,N30/03
97279	9	27/02;9,27/03	807370	5	N17,N25,N30,N31/03
97280	4	52/02	807861	2	N27/02;N22/03
97281	2	41/02	808365	2	N14/03
97283	3	45/02;9/03	808528	1	N25/02
97285	6	23,27,31,34,42/02;7,13,17/03	809055	7	N16/03
97286	6	21,23,25,27,31,34,35,36,41,42/02;6,8,10,13,17/03	809310	9	N39/02
97287	5	34/02;20/03	809679	2	N25,N50/02;N12,N27/03
97300	6	1,13,25,26/03			
97303	3	25,47,48/02			
97320	6	33/02;14,25/03			
97340	8	27,33,38,52/02;16,17,18,22/03			
97341	9	27,34/02;16,21/03			
97342	14	27,38/02;17,18,22,27/03			
97343	12	27,38/02;17,25/03			
97360	6	20,23,27,38/02;5,7,13,18,27/03			
97380	7	21,39,47,52/02;1,2,8,16,23/03			
97381	7	27/02;7,13,27/03			
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97383	16	31/02;5,7,13/03			
97384	4	47/02;19/03			
97385	10	31,52/02;5,6,7,9/03			
97387	2	4,5,7/03			
97389	1	39/02			
97390	5	31,39,40/02;2,5,12,16/03			
97391	26	31/02;6,7,12,16/03			
97392	5	21/02;1,21,23,26/03			
97396	14	21,36,39,40/02;2,16,17,23/03			
97397	7	25,39,49/02;16,26/03			
97398	3	21,25,49/02			
97400	3	25,26/02;1,12,17,21/03			
97410	8	21/02;17,19/03			
97412	7	40/02			
97420	17	21,34,39,42,47,52/02;1,8,10/03			
97421	13	20,35,36/02;1,10,13,20,26/03			
97423	2	20,35,36/02;1,13,20,26/03			
97425	6	34,39,47,52/02;1,6,8,10/03			
97440	8	20,23,27,52/02;1,16,19,27/03			
97441	5	20,46/02			
97443	6	15,19,25/03			
97460	7	40/02;5,19,21/03			

## SECTION II

NM 31/03

## NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
REGION 1							
14XCO14830 (7642014010577)	<u>West End of Lake Erie (LORAN-C)</u> <u>Insets: Monroe Harbor, MI</u> <u>Port Clinton, OH</u> (Insets not shown on index)	100,000 20,000 15,000	<u>30</u>	<u>6/03</u>	NOS	1-47,96	31/03
14XCO14903 (7642014010586)	<u>Algoma to Sheboygan (LORAN-C)</u> Insets: Kewaunee Two Rivers (Insets not shown on index)	120,000 10,000 10,000	<u>23</u>	<u>5/03</u>	NOS	1-96	31/03
14XCO14912 (7642014010600)	<u>Platte Bay to Leland (LORAN-C)</u> Insets: Leland South Manitou Harbor (Insets not shown on index)	80,000 5,000 30,000	<u>17</u>	<u>5/03</u>	NOS	1-96	31/03
14XCO14913 (7642014010601)	<u>Grand Traverse Bay to Little Traverse Bay (LORAN-C)</u> Insets: Harbor Springs Petoskey Elk Rapids Suttons Bay Northport Traverse City (Not shown on index)	80,000 10,000 10,000 10,000 10,000 10,000 15,000	<u>18</u>	<u>5/03</u>	NOS	1-96	31/03
17BCO17360 (7642014011391)	<u>Etolin Island to Midway Islands including Sumner Strait</u> Insets: Big Castle Island Holkham Bay	217,828 20,000 40,000	<u>33</u>	<u>5/03</u>	NOS	1-98	31/03
MISCELLANEOUS CHARTS AND PUBLICATIONS							
<u>CDPUBSUMV3</u> (7644014673961)	<u>(Volume 3) Eastern Pacific, Antarctica, Indian Ocean and Australasia (Subregions 16 thru 19, 21, 22 and 29, Regions 6 and 7)</u>			<u>2003</u>	<u>GPO</u>	10-23, 39	31/03

Price Categories effective 1 October 2002

A	17.75	E	9.00	G	4.50	I	26.25
D	10.75	F	9.00	H	2.50	R	2.50

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DS Distribution Limited  
GPO Government Printing Office  
NOS National Ocean Service  
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For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

## NAVIGATION PUBLICATIONS

## SAILING DIRECTIONS CORRECTIONS

**PUB 120**            **2 Ed 2001**            **LAST NM 30/03**

Page 43—Line 35/R to Page 44—Line 59/L; read:

Pilotage is compulsory in all coastal water of British Columbia under the jurisdiction of the Pacific Pilotage Authority (PPA). Compulsory pilotage may be waived, as follows:

1. Vessels entering a compulsory pilotage area for the purpose of embarking a licensed pilot, until the ship reaches the place arranged for boarding and the licensed pilot has boarded.
2. Vessels leaving a compulsory pilotage area after the pilot has disembarked in the course of the vessel's departure.

The pilotage region of the PPA consists of all Canadian waters in and around the province of British Columbia. The pilotage region is divided into five areas, as follows:

1. Area 1.—All waters of the Fraser River.
2. Area 2.—All Canadian waters between Vancouver Island and the mainland. Its S limit is near the pilot boarding position at the lighted buoy off Brochie Ledge near Victoria. Its N limit is a line between Cape Caution and Cape Sutil, on the N end of Vancouver Island.
3. Area 3.—All Canadian waters on the W coast of Vancouver Island.
4. Area 4.—All Canadian waters on the mainland N of Vancouver Island. This area extends 5 to 15 miles off the E shore of Vancouver Island.
5. Area 5.—All Canadian waters in and around the Queen Charlotte Islands. This area extends 3 to 20 miles off the W shore of Fecate Strait, leaving a channel through the strait that is not within a compulsory pilotage area. The area also extends 3 to 5 miles off the W and N shores of the Queen Charlotte Islands.

**Arrival messages.**—The master, owner, or agent of a vessel that is to arrive in a compulsory pilotage area shall notify the PPA of the vessel's ETA in **Coordinated Universal Time (UTC)** at the pilot boarding station, as follows:

1. At Victoria Harbor Cautionary Lighted Buoy—At least 12 hours prior to arrival. The ETA shall be confirmed or corrected 4 hours prior to arrival.
2. Off Cape Beale, at the entrance to Trevor Channel in Barkley Sound—At least 48 hours prior to arrival. The ETA shall be confirmed or corrected 12 hours prior to arrival.
3. Off the Triple Islands, near Prince Rupert—At least 48 hours prior to arrival. The ETA shall be confirmed or corrected 12 hours prior to arrival.
4. At such places that the PPA may designate—At least 48 hours prior to arrival. The ETA shall be confirmed or corrected 12 hours prior to arrival.

Radio messages from ships requiring pilotage shall be addressed to Pilots Victoria and sent via any Canadian Coast Guard Marine Communications and Traffic Service Center by radiotelephone. The pilot message shall include the following information:

1. The time in **UTC** that the pilot is required on board.

2. The place the vessel is to boarded.
3. The pilot service to be performed.
4. Whether or not the vessel is granted radio pratique.
5. The name, nationality, length, breadth, draft, and gross tonnage of the vessel.

**Departure messages.**—The master, owner, or agent of a vessel that is subject to compulsory pilotage shall notify the PPA in advance of the **Local Time** that a pilot is required to be on board a vessel that is to go:

1. From one place in a compulsory pilotage area to any other place in a compulsory pilotage area;
2. From one place in a compulsory pilotage area to a place outside a compulsory pilotage area; or
3. From a place outside a compulsory pilotage area to any place in a compulsory pilotage area.

A notice to obtain a pilot for departures and moves shall be given by calling a Pilot Dispatch Center, as follows:

1. The master, owner, or agent of a ship departing from a place where pilotage service is required shall place a Notice of Requirement in **Local Time** with the PPA at least 12 hours before the pilot or pilots are required to be on board the transportation to the ship specified in the Pilotage Order, or, at least 12 hours before the pilot or pilots are required to be on board the ship, if berthed at a place where pilots are based.

2. The Pilot Order Time as specified in a Notice of Requirement may be delayed once or cancelled without payment of cancellation fees if prior notice of delay or cancellation is received by the PPA not less than:

- a. 6 hours in the case of long jobs, i.e. pilotage assignment involving ports, places, or harbors on the W coast of Vancouver Island, and ports, places, or harbors N of 50°N, excluding Port Alberni, Campell River, Duncan Bay, Prince Rupert, and Kitimat.
- b. 4 hours in the case of Roberts Bank, English Bay, Fraser River Ports, all anchorages and berths E of Berry Point, and airports at Vancouver, Victoria, and Cassidy.
- c. 3 hours in all other cases.

The PPA may agree to waive the 12 hour Notice of Requirement providing the master, owner, or agent gives reasonable cause for not complying.

All Notices of Requirement scheduled between the hours of 1200 and 1700 shall be confirmed, delayed, or cancelled by 0900 daily. Any subsequent delays or cancellations will incur the appropriate detention or cancellation fees.

All Notices of Requirement scheduled between the hours of 1700 and 2100 shall be confirmed, delayed, or cancelled by 1200 daily. Any subsequent delays or cancellations will incur the appropriate detention or cancellation fees.

In cases of emergency involving danger to life, limb, or property, the PPA shall waive any Notice of Requirement and dispatch the first available pilot to cover the emergency.

**Pilot boarding.**—Should rough weather at Cape Beale or the Triple Islands prevent a pilot from boarding, the vessel should follow the pilot boat into more sheltered waters where embarkation is more practical.

**PUB 120 (Continued)**

In clear weather vessels should indicate their desire for a pilot, by day, by hoisting the International Code flag "G" and, by night, by a signal of four long flashes on their signal lamp.

In fog or thick weather vessels should make a whistle signal of four long blasts. A repetition of this signal will assist the pilot boat in locating the vessel.

Pilot boats do not cruise on station but leave the pilot station on shore, subject to a vessel's ETA, in ample time to meet the vessel at the boarding station.

The attention of mariners is drawn to Rule 35(i) of the International Regulations for Preventing Collision at Sea, which reads: "A pilot vessel when engaged on pilotage duty may in addition to the signals prescribed in paragraphs (a), (b), and (g) of this Rule sound an identity signal consisting of four short blasts." Mariners are advised that pilot vessels on the coasts of Canada adhere to this rule for sound signals.

The pilot boats are fitted with radar to assist in locating and tracking vessels during periods of low visibility.

The pilot station at Victoria is equipped with VHF radio-telephones and maintains a 24-hour watch on VHF channel 16. All pilot vessels are similarly equipped and may be contacted on either VHF channel 16 or VHF channel 17.

(Can PAC 200; Can NM 6W/03, Section 4) 31/03

**PUB 140 2 Ed 2001 LAST NM 26/03**

Page 79—Line 11/L; insert after:

**Tanker Regulations**

Single hull oil tankers over 15 years old must contact the appropriate CROSS station 24 hours prior to entering the Exclusive Economic Zone of France.

(Fr NM 15/03) 31/03

Page 126—Line 16/L to Page 129—Line 22/R; read:

**Western Mediterranean**

1. **Sardinia—Golfo di Oristano**—Due to the presence of explosive devices on the bottom, anchoring and fishing are permanently prohibited in an area bound by the following positions:

- a. 39°44.2'N, 8°28.9'E.
- b. 39°48.1'N, 8°30.0'E.
- c. 39°47.3'N, 8°31.3'E.
- d. 39°46.5'N, 8°31.4'E.

2. **Capo Frasca**—Navigation, tourism, fishing, and other occupations are permanently prohibited along the coast of Capo Frasca in an area bound by lines joining the following positions:

- a. 39°42.8'N, 8°26.8'E.
- b. 39°42.8'N, 8°26.3'E.
- c. 39°46.2'N, 8°26.5'E.
- d. 39°46.6'N, 8°27.9'E.
- e. 39°44.7'N, 8°29.2'E.
- f. 39°44.2'N, 8°28.9'E.

3. **Sardinia—Giglio Point**—Anchorage, fishing, mooring, and underwater diving are prohibited in a circular zone with a radius of 150m centered on position

40°34'04"N, 8°12'14"E due to the presence of explosive devices on the bottom.

4. **Sardinia—Capo Caccia**—Anchorage, fishing, and related activities are prohibited in a circular zone with a radius of 150m centered on position 40°33'36"N., 8°09'44"E due to explosive devices on the bottom.

**Ligurian Sea**

1. **Alassio Waters**—Fishing is prohibited within an area extending 500m around the Island of Gallinara due residual ordnance.

2. **Genova**—Anchorage and fishing are prohibited in a circular zone with a radius of 0.5 mile lying nearly 1 mile SSW of Punta Vagno, due to the presence of a mine on the bottom.

3. **Bonassola**—About 1 mile offshore of Bonassola, at a depth of 40 to 45m, lies a wreck containing explosive ordnance.

4. **Punta Moneglia**—The water zone comprised between the parallel 44°13'30"N, the meridian 9°25'00"E, and the coast, is dangerous to underwater fishing due to the presence on the bottom of explosive ordnance.

5. **La Spezia Passages**—Navigating, fishing, and stopping are dangerous due to the presence of explosive ordnance in an area bound by lines joining the following positions:

- a. 44°02'36"N, 9°36'42"E.
- b. 43°57'42"N, 9°41'30"E.
- c. 43°56'30"N, 9°39'18"E.
- d. 44°01'24"N, 9°34'30"E.

6. **San Vincenzo**—Sunken hulls containing explosive ordnance lie on the bottom at the following positions centered on circles with a 0.5 mile radius:

- a. 43°07'18"N, 10°30'42"E.
- b. 43°07'24"N, 10°30'04"E.
- c. 43°09'00"N, 10°29'06"E.

7. **Isola Capraia**—A mine is reported to exist NW of the island in the vicinity of La Manza.

8. **Punta Ferraione**—A circular zone with a radius of 0.25 mile, lying about 550m N of Punta Ferraione, is dangerous due to the presence of an explosive device lying at a depth of 60m.

**Tyrrhenian Sea**

1. **Piombino**—The sea area, opposite the center of Enel (a small private harbor), 1 mile from Torre de Sale, is dangerous due to the presence of unexploded munitions lying at a depth of 15m.

2. **Isola d'Elba**—The waters off Porto Azzurro, within the 50m depth curve, are dangerous due to the presence of unexploded mines on the bottom.

## PUB 140 (Continued)

The sea area surrounding Isolotti Gemini, within the 40m depth curve, is dangerous due to the presence of unexploded mines on the bottom.

3. **Isola Pianosa**—A mine is reported to exist near Isolotto La Scola at a depth of 80m.

Unexploded ordnance is reported to lie 20m from Punta del Marchese.

4. **Follonica**—An area that is dangerous due to the presence of an explosive device on the bottom is located within the area bound by lines joining the following positions:

- a. 42°52.5'N, 10°45.1'E.
- b. 42°52.8'N, 10°45.6'E.
- c. 42°53.5'N, 10°44.6'E.
- d. 42°53.1'N, 10°44.7'E.

5. **Talamone**—A wreck lies approximately 1 mile W of the tower Cala Forno. It is reported to contain unexploded ordnance which has been dispersed on the bottom.

It is prohibited to anchor or fish within 1.5 miles of the coast between the tower on Cala Forno and the mouth of the Ombrone River.

6. **Civitavecchia**—Entry is prohibited due to the presence of possibly explosive devices on the bottom of the sea areas to the NW of the harbor within an area bound by lines joining the following positions:

- a. 42°21.3'N, 11°26.0'E.
- b. 42°18.4'N, 11°33.0'E.
- c. 42°16.6'N, 11°32.4'E.
- d. 42°19.0'N, 11°24.2'E.

An explosive device is found within 150m of position 42°07.8'N, 11°07.7'E.

7. **Capo d'Anzio**—In the vicinity of Arco Muto, unmarked explosive devices are located in a depth of 4m about 100m off the coast.

8. **Anzio**—An explosive device lies about 1 mile E of the end of Molo Innocenziano at a depth of 7m. Vessels in transit should navigate with caution.

9. **Sardinia—Maddalena Archipelago—Roads of Mezzo Schifo**—Anchorage and fishing are prohibited in Mezzo Schifo Roads due to explosive devices on bottom.

10. **Sardinia—Maddalena Archipelago—Waters around the island of Spargi**—Anchoring, fishing, and related activities are prohibited at all times due to explosive ordnance in a circular zone, with a radius of 200m, centered on position 41°13'54"N, 9°21'25"E.

11. **Sardinia—Maddalena Archipelago—Island of Caprera—Port Palma**—Anchorage and fishing are prohibited in an area centered on position 41°10.88'N, 9°26.98'E, due to projectiles and other devices and other explosive devices that could be in the area.

12. **Capo San Lorenzo**—The following areas are dangerous to navigation and fishing due to the presence of explosive devices:

A. The area between the parallels 39°30'30"N, 39°32'30"N, and the meridian 9°41'00"E.

B. The area bound by lines joining the following positions:

- a. 39°29'30"N, 9°38'30"E.
- b. 39°29'30"N, 9°39'30"E.
- c. 39°31'30"N, 9°39'30"E.
- d. 39°31'30"N, 9°38'00"E.

C. The sea area within 1 mile of position 39°30'45"N, 9°40'39"E.

D. The circular zone with a radius of 2 miles centered on position 39°29'N, 9°42'E is prohibited to anchoring and fishing due to the presence of an explosive device at a depth of 90m.

13. **Capo Teulada**—Anchoring and fishing are permanently prohibited due to the presence of unexploded devices on the bottom in an area bound by lines joining the following positions:

- a. 38°56'52"N, 8°37'12"E.
- b. 38°56'18"N, 8°32'24"E.
- c. 38°52'54"N, 8°35'30"E.
- d. 38°51'30"N, 8°39'00"E.
- e. 38°53'48"N, 8°42'06"E.
- f. 38°54'00"N, 8°44'14"E.
- g. 38°55'22"N, 8°42'38"E.

However, transit through the above area is prohibited only during periods of firing practice, for which specific orders are periodically issued.

14. **Mondragone**—Anchoring, fishing and other related activities are prohibited in the locality of Sinuessa due to the presence of numerous explosive devices on the bottom in an area bound by lines joining the following positions:

- a. 41°09.0'N, 13°49.5'E.
- b. 41°09.0'N, 13°50.0'E.
- c. 41°07.0'N, 13°51.5'E.
- d. 41°07.0'N, 13°51.0'E.

15. **Gaeta**—The presence of numerous devices of a military wartime nature has been reported in the area off the locality of Monte Orlando (Grotta del Turco) at a distance of 100m and for a stretch of 100m parallel to the coast. (This point is within the area of the Monte Orlando Preserve).

16. **Canale di Procida**—Explosive ordnance lies scattered on the bottom, on the E edge of the 26m shoal, at approximate position 40°45.2'N, 14°05.5'E (about 1.3 miles S of Capo Miseno).

17. **Golfo di Pozzuoli—Miseno**—Navigation, anchorage, and all other activity are prohibited in the sea area extending 300m to the E of the mussel bed due to the presence of an explosive device on the bottom.

## PUB 140 (Continued)

18. **Penisola Sorrentina—Marina di Lobra**—The stopping and mooring of ships and all craft in general, fishing, and all underwater activity are prohibited in a 400m wide stretch of water which extends SE from Scoglio Vervecce and connects the head of Molo Foraneo with the landing place at Marina di Lobra due to the presence of explosive devices contained within a submerged fishing net.

19. **Capri**—The probable presence of explosive devices in depths of about 70m has been reported near the connection of the submerged pipeline that links Capri (outer base of the downstream mole of the port of Capri) to Baccoli Point (Sorrentina Peninsula) in the following positions:

- a. 40°34'54"N, 14°17'12"E.
- b. 40°35'00"N, 14°17'30"E.
- c. 40°34'40"N, 14°17'21"E.
- d. 40°34'47"N, 14°17'38"E.

20. **Golfo di Policastro—Villamare**—The sea area along the coastal strip of Via Torre-Vibonati-Villamare, extending for a length of 0.2 mile and up to 100m off the coast, is dangerous to navigation and prohibited to fishing and anchorage due to the presence of explosive devices on the bottom.

21. **Golfo di Policastro—Scario**—Explosive devices are located, in depths of 9 to 11m, in the vicinity of position 40°03.0'N, 15°29.7'E.

22. **Golfo di Policastro—Scalea**—The circular zone offshore of Torre Lao (Scalea), with a radius of 300m centered on position 39°48'54"N, 15°47'18"E is prohibited to transiting, mooring, stopping, and fishing due to the existence of explosive devices on the bottom. The center of the area is marked by two red buoys.

23. **Golfo di Sant' Eufemia**—The sea area off the coast, bounded by the parallels 38°50'N and 38°53'N and up to 0.5 mile off this same coast, is dangerous to navigation and prohibited to fishing and anchorage due to the presence of explosive devices on the sea bottom. A wreck, covered with mud and containing explosive ordnance, lies on the bottom at position 38°45'30"N, 16°11'30"E about 0.3 mile N of the Tonnara chimney.

The area within a 0.5 mile radius from the above position is prohibited to anchorage and any underwater operations.

24. **Capo Cozzo**—A device dangerous to navigation lies at a depth of about 12m, about 100m from the coast in the vicinity of Zambrone.

25. **Sicily—Formiche Shoals**—Anchoring, sailing, fishing, and other related activities of any kind are prohibited in the area of the seawall of Argo Capo d'Orlando up to 250m from land due to the presence of numerous explosive devices on the bottom.

26. **Golfo di Castellammare**—Anchoring, sailing, and stopping by any vessel or craft, along with any other related water activities, are prohibited due to the presence of a wartime device in the area bound by lines joining the following positions:

- a. 38°06.0'N, 12°47.9'E.
- b. 38°06.2'N, 12°48.4'E.
- c. 38°05.8'N, 12°48.7'E.
- d. 38°05.6'N, 12°48.3'E.

Stay clear a distance of no less than 0.5 mile from this area.

Anchoring, sailing, and fishing are prohibited, until further notice, and navigation is dangerous in the area of Cala dei Muletti, about 3.2 miles SSE of Capo di Rama, due to the presence of explosive ordnance on the sea bottom.

27. **Sicily—Northwest of Trapani**—Unexploded ordnance may be found in the area bound by lines joining the following positions:

- a. 38°25'N, 12°06'E.
- b. 38°17'N, 12°14'E.
- c. 38°12'N, 12°06'E.
- d. 38°20'N, 11°56'E.

28. **Sicily—Trapani**—Unexploded ordnance may be found within 1 mile of position 37°46.5'N, 11°58.5'E.

29. **Sicily—Porto Empedocle**—Unexploded ordnance may be found within 1 mile of position 37°13'21"N, 13°17'07"E.

**Ionian Sea**

1. **Waters around Magnisi Peninsula**—The zone contained between the parallels 37°09'48"N, 37°09'15"E and the meridians 15°17'05"E and 15°15'55"E, is permanently prohibited for mooring and fishing and is dangerous to navigation due to submerged ordnance.

2. **Capo Spartivento**—Explosive ordnance is reported to lie in position 37°53'49.0"N, 16°00'49.2"E.

3. **Golfo di Taranto**—An unexploded mine is located in position 39°03.2'N, 17°11.0'E. Vessels should give this position a berth of at least 0.5 mile.

4. **Golfo di Taranto**—The presence of explosive ordnance is reported to lie in position 40°21'N, 16°58'E, in depths of over 650m; it poses a danger to deep-sea research.

5. **Taranto**—Explosive ordnance is reported to lie in an area SW of Isola San Pietro and Isolotto San Paolo, bounded by the bearing 270° from Punta La Forca, the line of the dike which joins the two islands, and the bearing 180° from the red light of San Paolo, in depths between the 40 and 140m curves.

6. **Taranto**—The following areas are prohibited to anchoring and fishing due to the presence of unexploded ordnance:

**PUB 140 (Continued)**

Area 1—Bound by lines joining the following positions:

- a. 40°28.0'N, 17°05.7'E.
- b. 40°27.2'N, 17°06.6'E.
- c. 40°27.7'N, 17°09.7'E.
- d. 40°28.5'N, 17°10.4'E.

Area 2—Bound by lines joining the following positions:

- a. 40°25.2'N, 17°10.6'E.
- b. 40°25.7'N, 17°11.6'E.
- c. 40°24.2'N, 17°11.5'E.

7. **Porto Cesareo**—Unexploded ordnance, in depths of 15 to 20m, lies within 100m of Torre Chianca.

8. **Punta del Pizzo**—Due to the presence of explosive ordnance on the bottom, in a depth of about 70m, navigation is dangerous within a radius of 1 mile of the point situated 5.5 miles S of Punta del Pizzo.

**Adriatic Sea**

1. **Punta San Cataldo**—Anchoring and fishing are prohibited, and navigation is dangerous, due to the presence of explosive ordnance on the sea bottom in an area bound by lines joining the following points:

- a. 40°25'31"N, 18°15'30"E.
- b. 40°30'20"N, 18°16'30"E.
- c. 40°29'25"N, 18°19'03"E.
- d. 40°27'45"N, 18°20'58"E.
- e. 40°25'55"N, 18°22'28"E.
- f. 40°23'05"N, 18°23'18"E.
- g. 40°23'54"N, 18°17'30"E.

2. **Molfetta**—Explosive ordnance lies 7.1 miles, bearing 051°, from Molfetta Light.

Unexploded ordnance lies within an area bound by lines joining the following positions:

- a. 41°48'30"N, 16°52'07"E.
- b. 41°48'49"N, 16°54'47"E.
- c. 41°43'52"N, 16°55'50"E.
- d. 41°43'33"N, 16°53'10"E.

3. **Fiume Ofanto (Barletta)**—Navigation and fishing are prohibited due to the presence of explosive ordnance on the bottom, in an area at the mouth of the river Ofanto, near the Barletta coast, bounded by a line joining the following points:

- a. 41°21'45"N, 16°12'16"E.
- b. 41°23'48"N, 16°13'28"E.
- c. 41°23'00"N, 16°15'16"E.
- d. 41°21'20"N, 16°16'23"E.
- e. 41°20'30"N, 16°14'08"E.

4. **Isole di Tremiti—Isola Pianosa**—The sea area surrounding Isola Pianosa, up to 0.3 mile from the coast, is prohibited to navigation, anchorage, underwater fishing, and stopping due to the presence of residual unexploded ordnance on the bottom within approximately 100m of the coast.

5. **Pesaro**—Unexploded ordnance lies in a depth of 7m within 500m of position 43°55.5'N, 12°55.2'E.

6. **Cattolica**—Anchoring and fishing are permanently prohibited due to the presence of explosive ordnance on the sea bottom in the area bound by lines joining the following positions:

- a. 43°58'18"N, 12°45'15"E.
- b. 43°58'18"N, 12°45'24"E.
- c. 43°58'12"N, 12°45'24"E.
- d. 43°58'12"N, 12°45'15"E.

7. **Porto Garibaldi** (Mouth of Fiume Reno)—Anchoring and fishing are permanently prohibited due to the presence of explosive ordnance on the sea bottom in the area bound by lines joining the following positions:

- a. 44°39'00"N, 12°15'00"E.
- b. 44°43'00"N, 12°22'00"E.
- c. 44°31'30"N, 12°22'00"E.
- d. 44°33'00"N, 12°17'10"E.

This area is dangerous due to missile firing from 0730 of each Monday until 1300 of each Saturday.

8. **Malamocco**—A wreck with a depth of 14.5m lies in position 45°17'15"N, 12°35'03"E. The zone centered around this wreck with a radius of 1 mile is dangerous for anchoring, trawling, and fishing due to the wreck itself and by explosive material scattered on the bottom.

Another zone which contains unexploded ordnance lies S of the entrance channel to Malamocco. Vessels are cautioned not to anchor, dredge, trawl, lay cable, bottom, or conduct any similar type of operation in this area.

9. **Punta del Tagliamento to Bibione**—Fishing and anchoring are dangerous due to the presence of explosive ordnance on the bottom in an area bound by lines joining the following positions:

- a. 45°37'50"N, 13°04'18"E.
- b. 45°37'00"N, 13°04'18"E.
- c. 45°36'20"N, 13°04'30"E.
- d. 45°36'20"N, 13°05'12"E.
- e. 45°37'00"N, 13°05'20"E.
- f. 45°37'50"N, 13°05'20"E.

10. **Grado**—Fishing and anchoring is dangerous to starboard of the access channel to Grado due to the presence of mines on the bottom in an area bound by lines joining the following positions:

- a. 45°39'58"N, 13°22'05"E.
- b. 45°39'58"N, 13°22'45"E.
- c. 45°39'26"N, 13°22'45"E.
- d. 45°39'26"N, 13°22'21"E.
- e. 45°39'40"N, 13°22'21"E.

(Ital Annual Notice No. 3 of 2003)

31/03

**PUB 163**

**8 Ed 2002**

**LAST NM 30/03**

Page 244—Lines 5 to 31/R; read:

**9.50 Santan Oil Terminal** (0°06'N., 117°32'E.) (World Port Index No. 51815), with numerous platforms, wells, mooring buoys, pipelines, and an approach channel marked by lighted buoys, is situated between Tanjung Marangkayu

**PUB 163 (Continued)**

and Tanjung Santan.

<b>Pilots and Terminal Contact Info</b>	
<b>Telephone</b>	
Terminal	+62(0)542 548100
Pilots	+62(0)542 548107 +62(0)542 548321
<b>Fax</b>	
Terminal	+62(0)542 548210
<b>E-Mail</b>	
Terminal	stnmo@unocal.com
Pilots	stnmmaster@unocal.com stnmarine@unocal.com

Additional platforms and pipelines extend N along the coast for about 11 miles above Tanjung Santan. Anchoring is prohibited within 1 mile of the platforms and pipelines. Vessels inbound to the anchorage area, which lies centered about 5.25 miles SE of Tanjung Santan, should keep to the N of the approach channel lighted buoys. The facility can handle tankers up to 130,000 dwt, with a maximum length of 265m and a maximum draft of 25m.

A loading platform, marked by a light, is situated 1.75 miles WNW of the terminal. Vessels up to 4,700 dwt and with an overall length between 60 and 110m are permitted to berth and load propane. The depth alongside this berth is 11.6m.

The ETA should be sent to the terminal 72 hours, 48 hours, and 24 hours prior to arrival. Vessels should contact "Santan Control" on VHF channel 16 or 9 for mooring or anchoring instructions. There is a depth of 28m in the vicinity of the mooring buoy.

Pilotage by a Mooring Master is compulsory. Vessels berth between 0600 and 1800 local time. Berthing may be allowed at night with permission of the harbormaster. The pilot will board in the anchorage area.

Prohibited and restricted areas, best seen on the chart, lie in the area. All vessels should navigate with caution.

(BA NM 17/03, Section VI)

31/03

**PUB 172            9 Ed 2001            LAST NM 29/03**

Page 210—Lines 50 to 53/L; read:

inside the harbor entrance; caution is necessary as depths of as little as 13.3m lie inside the edges of the dredged channel.

Dredging is underway (2003) in the access channel. The channel is being deepened to 17m and widened to 325m. This will allow for two-way traffic in the channel.

The harbor is divided into two basins. The outer basin,

(BA NM 26/03, Section IV)

31/03

**SECTION II**

**CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4025	Compass Island Ledge Isolated Danger Buoy DCL East of ledge.					Black and red with two black spherical topmarks.	
	*						31/03
7610	<b>Spring Point Ledge Light</b>	43 39 06 N 70 13 24 W	<b>FI W 6s (2R sectors)</b>	54	W 11 R 14	White conical tower on black cylindrical pier, on end of breakwater.	White from 331° to 337° covers fairway entrance, white from 074° to 288°; red in intervening sectors. Lighted throughout 24 hours. Emergency light of reduced intensity when main light is extinguished. HORN: 1 blast ev 10s (1s bl).
					*		31/03
*21859	Greens Harbor Obstruction Buoy 2A					Red nun.	31/03
31020	CG STATION JONES BEACH BREAKWATER LIGHT 2		<b>FIR 2.5s</b>	6	4	On breakwall.	
					*		31/03
31075	- <i>Lighted Buoy 27</i>		<b>Q G</b>		3	Green.	
					*		31/03
31190	- LIGHT 19	40 36 49 N 73 33 29 W	<b>FIG 2.5s</b>	12	4	SG on pile.	
					*		31/03
31335	- LIGHT 63	40 39 01 N 73 18 01 W	<b>FIG 2.5s</b>		3	SG on pile.	Maintained from Apr. 1 to Nov. 15.
		*			*		31/03
31360	- LIGHT 68	40 38 45 N 73 16 57 W	<b>FIR 4s</b>		3	TR on pile.	Maintained from Apr. 1 to Nov. 15.
		*			*		31/03
31420	- <i>Lighted Buoy 9</i>	40 40 08 N 73 18 09 W	<b>FIG 2.5s</b>		3	Green.	Replaced by can from Nov. 15. to Apr. 1.
		*			*		31/03
32535	- LIGHT 18	40 35 50 N 73 37 00 W	<b>FIR 2.5s</b>	16	4	TR on pile.	
					*		31/03
32555	- LIGHT 24 On edge of marsh.	40 35 44 N 73 35 56 W	<b>FIR 4s</b>	12	4	TR on pile.	
		*			*		31/03
34280	STATION ROCKAWAY WEST BREAKWATER LIGHT	40 34 06 N 73 53 06 W	<b>FIR 4s</b>	20	3	On piles.	
					*		31/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Beach Channel</b>							
34385	<i>Nova Scotia Bar Junction Lighted Buoy N</i>	40 34 40 N 73 52 10 W	FI (2+1) G 6s		3	Green and red bands.	Replaced by can when endangered by ice.
		*			*		31/03
34815	- <i>Lighted Buoy 3</i>	40 30 04 N 73 57 21 W	FI G 4s		5	Green.	
					*		31/03
34840	- <i>Lighted Buoy 7</i>	40 30 57 N 73 59 37 W	FI G 4s		5	Green.	
		*			*		31/03
34930	CG Station South Entrance Light	40 36 46 N 74 03 37 W	FI R 6s		4	On pole.	
	*	*			*		31/03
*Delete Headings: *NEW YORK HARBOR (Chart 12327) *Main Channel							
34935	CG Station North Entrance Light	40 36 47 N 74 03 36 W	FI G 4s		4	On pole.	
	*	*			*		31/03
<b>SANDY HOOK TO LITTLE EGG HARBOR (Chart 12324)</b>							
<b>Shrewsbury River</b>							
<i>Buoys in river are maintained from Apr. 15 to Dec. 15 unless otherwise noted.</i>							
35740	- <i>Channel Lighted Buoy 2</i>	40 25 13 N 74 00 19 W	FI R 4s			Red.	Replaced by nun from Dec. 15 to Apr. 15.
					*		* 31/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Delaware River (Main Channel)</b>							
2896	- <i>Wreck Lighted Buoy WR2M</i>	39 40 46 N 75 31 03 W	Q R		4	Red.	
	*						31/03
<b>Mattox Creek</b>							
17475	- LIGHT 1	38 13 18 N 76 57 23 W	FI G 4s	15	4	SG on pile.	
		*					31/03

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**SECTION II**

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>Monroe Creek</b>							
17515	- ENTRANCE LIGHT 2	38 13 55 N 76 56 58 W	<b>F I R</b> 4s	15	3	TR on pile.	
						*	31/03
19285	- LIGHT 1 50 feet outside channel limit.	38 41 31 N 76 31 16 W	<b>F I G</b> 4s	15	4	SG on pile.	
		*					31/03
19300	- LIGHT 2		<b>F I R</b> 4s	15	3	TR on pile.	
						*	31/03
19745	HORN POINT LIGHT HP	38 58 25 N 76 28 09 W	<b>F I W</b> 6s	15	6	NG on pile.	Light equipment removed when endangered by ice.
		*		*			31/03
27050	- LIGHT 3	39 15 07 N 76 23 29 W	<b>F I G</b> 4s	15	4	SG on multi-pile structure.	
		*					31/03
28910	- Buoy 3						<i>Remove from list.</i>
							* 31/03
28915	- Buoy 4						<i>Remove from list.</i>
							* 31/03
28940	- Lighted Buoy 16						<i>Remove from list.</i>
							* 31/03
29075	- Warning Daybeacon						<i>Remove from list.</i>
							* 31/03
29080	- Warning Light NB Marks LEHIGH wreck.		<b>F I W</b> 4s	15	5	NW on multi-pile structure worded DANGER WRECK.	HORN: 1 blast ev 30s (3s bl).
	*						31/03
29083	- LIGHT 13		<b>F I G</b> 2.5s	15	3	SG on multi-pile structure.	
	*			*		*	31/03
*Delete Headings: *OCRACOKE INLET AND NORTHERN CORE SOUND (Chart 11550) *Ocracoke Inlet *Big Foot Slough Channel							
29085	- Warning Daybeacon						<i>Remove from list.</i>
							* 31/03
<b>Silver Lake</b>							
29087	- LIGHT 14BF		<b>F I R</b> 4s		3	TR on multi-pile structure.	
	*					*	31/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>TYBEE ISLAND TO DOBOY SOUND (Chart 11509)</b>							
345 4540	<b>Tybee Light</b> (RANGE REAR) 3,883 yards, 298° from front light.	32 01 20 N 80 50 44 W	<b>F W</b>	144	19	Octagonal, brick tower, upper and lower one third black, center white.	Lighted throughout 24 hours.
					*		31/03
4540 345	<b>Tybee Light</b> (RANGE REAR) 3,883 yards, 298° from front light.	32 01 20 N 80 50 44 W	<b>F W</b>	144	19	Octagonal, brick tower, upper and lower one third black, middle white.	Lighted throughout 24 hours.
					*		31/03
<b>St. Johns River</b>							
9420	MOTHERS ARMS LIGHT WR2	28 49 00 N 81 14 34 E	<b>Q R</b>	17	3	TR on pile.	
	*	*		*		*	31/03
<b>*Add Heading: *Cannons Marina</b>							
59190	- Daybeacon 1	27 25 33 N 82 39 45 W				SG on pile.	Private aid.
		*				*	31/03
*59222	- Daybeacon 8					TR on pile.	Private aid.
							31/03
*59224	- Daybeacon 9					SG on pile.	Private aid.
							31/03
59225	- Daybeacon 10	27 25 24 N 82 39 48 W				TR on pile.	Private aid.
	*						31/03
59230	- Daybeacon 11					SG on pile.	Private aid.
	*						31/03
<b>*Add Headings: *Siesta Key - Tampa Bay *Buccaneer Inn</b>							
59245	- Daybeacon 10					TR on pile.	Private aid.
							31/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
9650	- CUT B RANGE FRONT LIGHT	30 11 47 N 89 46 27 W	<b>Q W</b>	17		KRW on skeleton tower on dolphin.	Visible on range line only.
				*			31/03

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Denotes a new entry when preceding the station number.

**SECTION II**

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10895	- LIGHT 74		<b>F I R</b> 4s	17	4	TR on pile.	Ra ref.
	*			*		*	* 31/03
17230	- LIGHT 9		<b>F I G</b> 2.5s	17	3	SG on pile.	Ra ref.
					*		31/03
18095	- LIGHT 45		<b>F I G</b> 4s	17	4	SG on pile.	Ra ref.
					*		31/03
18165	- LIGHT 53	29 27 04 N 91 17 56 W	<b>F I G</b> 4s	17	4	SG on pile.	Ra ref.
		*			*		31/03
<b>NEW ORLEANS TO CALCASIEU RIVER (Chart 11352)</b>							
<b>Atchafalaya River</b>							
<b>Avoca Island Cutoff Channel</b>							
18305	- LIGHT 7	29 35 39 N 91 11 44 W	<b>F I G</b> 4s	17	4	SG on pile.	Ra ref.
		*			*		31/03
18325	- LIGHT 11	30 35 42 N 91 09 33 W	<b>F I G</b> 2.5s	17	3	SG on pile.	Ra ref.
		*			*		31/03
18437	- LIGHT 44	29 39 16 N 91 14 26 W	<b>F I R</b> 2.5s	17	4	TR on pile.	Ra ref.
		*			*		31/03
19479	- LIGHT 4	29 32 15 N 92 04 45 W	<b>F I R</b> 4s	17	3	TR on dolphin.	Ra ref.
		*			*		31/03
19485	- LIGHT 7	29 34 36 N 92 02 49 W	<b>F I G</b> 2.5s	17	3	SG on pile.	Ra ref.
					*		31/03
19490	- LIGHT 8	29 34 57 N 92 02 16 W	<b>Q R</b>	17	3	TR on pile.	Ra ref.
					*		31/03
19530	- LIGHT 10	29 38 10 N 92 01 08 W	<b>F I R</b> 2.5s	17	4	TR on pile.	Ra ref.
		*			*		31/03
19550	- LIGHT 14		<b>F I R</b> 6s	19	4	TR on dolphin.	Ra ref.
					*		31/03
19621	- LIGHT 8	29 40 03 N 91 58 39 W	<b>F I R</b> 4s	17	3	TR on pile.	Ra ref.
		*			*		31/03

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19678	- LIGHT 27	29 49 05 N 91 51 27 W	FI G 4s	17	4	SG on pile.	Ra ref.  * 31/03
19990	- LIGHT 11 50 feet outside channel limit.		FI G 2.5s	17	4	SG on dolphin.	Ra ref.  * 31/03
19995	- LIGHT 12 50 feet outside channel limit.	29 32 02 N 92 18 28 W	FI R 2.5s	17	4	TR on dolphin.	Ra ref.  * 31/03
20224	MERMENTAU WRECK LIGHT WR1	29 58 27 N 92 48 06 W	Q G	17	3	SG on pile.	* 31/03
<b>GALVESTON BAY (Chart 11326)</b>							
<b>Trinity Bay</b>							
<b>Double Bayou Channel</b>							
24545	- LIGHT 2 25 feet outside channel limit.	29 37 41 N 94 45 56 W	FI R 4s	17	4	TR on pile.	Ra ref.  * 31/03
24570	- Daybeacon 11 25 feet outside channel limit.					SG on pile.	Ra ref.  * 31/03
24580	- Daybeacon 13 25 feet outside channel limit.					SG on pile.	Ra ref.  * 31/03
*24582	- Buoy 13A					Green can.	31/03
24595	- LIGHT 16 20 feet outside channel limit.		Q R	17	3	TR on pile.	Ra ref.  * 31/03

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*181.5	<i>Santa Monica Bay UCLA Research Buoy</i>	33 56 20 N 118 42 30 W	FI Y 4s			Yellow buoy with tripod.	Private aid.  31/03
1131	<i>NOAA Data Lighted Buoy 46061</i>	60 13 03 N 146 49 30 W	FI (4) Y 20s			Yellow boat-shaped weather buoy.	* 31/03

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**SECTION II**

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2296 45	- SOUTH JETTY LIGHT 2	33 12 22 N 117 23 59 W	<b>F I R</b> 2.5s	26	7	TR on post.	HORN: 2 blasts ev 20s (2s bl-2s si-2s bl-14s si).
		*					31/03
	<b>Hookton Channel</b>						
8280	- LIGHT 1	40 44 54 N 124 13 21 W	<b>F I G</b> 4s	15	4	SG on pile.	
	*	*		*		*	31/03
8285	- LIGHT 13	40 43 35 N 124 13 19 W	<b>F I R</b> 4s	15	3	SG on pile.	Ra ref.
	*	*				*	31/03
16065	- Daybeacon 14	46 52 06 N 124 04 38 W				TR on pile.	
		*					31/03
*17126	Tacoma Harbor Regulatory Buoys (3)	47 15 49 N 122 26 10 W				White with orange bands.	Private aid.
							31/03
*17127	Middle Waterway Buoy 1	47 15 57 N 122 26 00 W				Green can.	Private aid.
							31/03
*17128	Middle Waterway Buoy 3	47 15 52 N 122 25 56 W				Green can.	Private aid.
							31/03
*17129	St. Paul Waterway Buoy 2	47 15 58 N 122 25 57 W				Red nun.	Private aid.
							31/03
17820	- LIGHT 10	47 45 03 N 122 45 19 W	<b>F I R</b> 4s	16	5	TR on multi-pile structure.	
							* 31/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2003							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*10373	- LIGHT	43 45 37 N 83 16 22 W	<b>F I W</b> 10s	65 20		Square white tower with rted roofed cupola. 38	Private aid.
							31/03
20413	- ENTRANCE SOUTH PIER LIGHT 1	42 29 34 N 87 48 12 W	<b>F I G</b> 2.5s	21 6		SG on pole.	Private aid.
		*					31/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
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## SECTION II

### CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
GUANTANAMO BAY:							
13020 <i>J 5024</i>	-Punta Barlovento.	19° 53.7' N 75° 09.6' W	Fl.W. period 6s	377 115	9	Gray skeleton tower.	
			*				31/03
14500 <i>J 5595</i>	-Punta Conejo.						<i>Remove from list.</i>
							*
							31/03
17172 <i>J 6494</i>	-Punta Charagato, NE. extremity.	10° 50.5' N 64° 09.4' W	Fl.W. period 12s fl. 1s, ec. 11s	49 15	11	White fiberglass tower, orange bands; 39.	
			*			*	31/03
18748 <i>G 0528</i>	-Ilha das Cobras.	25° 29.3' S 48° 25.8' W	Fl.W. period 5s fl. 0.5s, ec. 4.5s	36 11	7	White square concrete column; 20.	
			*				31/03
18752 <i>G 0530</i>	-Ponta da Cruz.	25° 29.9' S 48° 29.3' W	Fl.W. period 6s	20 6	8	White post and daymark on concrete pillar; 7.	Q.W. 64m on antenna 1.5 miles SW.
			*				31/03

### CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
8824 <i>K 1809</i>	Cull Island.	33° 55.4' S 121° 54.2' E	Fl.(4)W. period 16s	311 95	11	White hut; 7.	
		*	*		*	*	31/03
9083 <i>K 1767.115</i>	-Rear, 160 meters 220°18' from front.	32° 03.4' S 115° 44.2' E	F.Bu.			Beacon, triangular daymark, point down.	
	*						31/03

### CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*17489.5 <i>F 4254.9</i>	Hwasun Hang, breakwater.	33° 14.0' N 126° 20.0' E	Fl.Y. period 4s	56 17	7	Yellow round pipe; 26.	
							31/03
18038	Airport Sea Berth "A".						<i>Remove from list.</i>
							*
							31/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*18280 <i>E 5304.7</i>	-Fishing Harbor Range, front.	44° 34.4' N 33° 25.7' E	<b>Iso.R.</b> period 4s		12		Visible 128°-188°.
							31/03
*18281 <i>E 5304.71</i>	-Rear, 275 meters 158° from front.	44° 34.3' N 33° 25.8' E	<b>F.R.</b>		12		Visible 128°-188°.
							31/03

### CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1128 <i>A 0839</i>	<b>GREENWICH LIGHTSHIP</b>	50° 24.5' N 0° 00.0' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	39 12	15	Red hull, name on sides in white.	Shown 24 hours. F.W. riding light. <b>Nautophone:</b> 1 bl. ev. 30s. <b>Radar reflector.</b>
	RACON		<b>M(- -)</b> period 20s		10		
			*		*		* 31/03
	*Add Heading: *VLIELAND:						
*9966 <i>B 0894</i>	-N. Vlieland, metering station.	53° 19.1' N 4° 59.8' E	<b>Fl.(5)Y.</b> period 20s				31/03
	*Delete Heading: *VLIELAND:						
9968 <i>B 0894</i>	- <b>Vuurboetsduin.</b>	53° 17.8' N 5° 03.6' E	<b>Iso.W.</b> period 4s	177 54	20	Brown round metal tower; 55.	<b>Radiobeacon.</b>
							31/03
*9982 <i>B 0904.5</i>	-N. Terschelling, metering station.	53° 25.8' N 5° 20.1' E	<b>Fl.(5)Y.</b> period 20s				31/03

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3124 <i>C 1238</i>	-Tirpitzhafen.	54° 21.2' N 10° 08.9' E	<b>F.R.</b>	36 11	3	Red metal mast; 30.	Visible 144°-004°.
		*	*				31/03
	KOBENHAVN (COPENHAGEN):						
4760 <i>C 1964</i>	- <b>Middlegrunds Fort.</b>	55° 43.2' N 12° 39.9' E	<b>Oc.W.R.G.</b> period 5s lt. 4s, ec. 1s	36 11	W. 12 R. 10 G. 10	Red structure.	R. 005°-069°, G.-128°, R.-173°, G.-184°, W.-193°, R.-225°. Shown 24 hours.
		*			*	*	31/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4764 <i>C 1965</i>	--E.	55° 43.2' N 12° 40.0' E	<b>Oc.(2)W.R.G.</b> period 12s lt. 6s, ec. 2s lt. 2s, ec. 2s	36 11	W. 12 R. 10 G. 10	Red structure.	W. 204°30'-245°, R.-290°, G.- 346°, W.-350°, R.-056°. Shown 24 hours.
					*	*	31/03
6627 <i>C 2944.5</i>	-W. breakwater.	54° 46.1' N 17° 33.0' E	<b>Dir.W.R.G.</b>	23 7	W. 8 R. 6 G. 6		Fl.G.-197°-198°, F.G.-201°, Al. W.G.-202°, F.W.-204°, Al. R.W.-205°, F.R.-208°, Fl.R.- 209°.
					*		31/03
POLWYSEP HEL:							
6640 <i>C 2961</i>	-Wladyslawowo, N. breakwater, head.	54° 47.9' N 18° 25.5' E	<b>Oc.G.</b> period 5s lt. 3s, ec. 2s	43 13	5	Green tower and lantern.	Synchronized with 6648.5.
			*				* 31/03
*8150 <i>C 7137</i>	Vino Bredhall.	57° 30.0' N 16° 45.9' E	<b>I.V.Q.W.R.G.</b> period 6s	32 10	W. 5 R. 3 G. 3	White tower, black band, black base.	G. 120°-139°30', obsc.-140°30', W.-143°, R.-160°.
							31/03

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

NM 31/03

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 31/03

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
<b>NIMA HYDRO CATALOG</b>			<b>CATP2V01U</b>					
Region 1	2002	1* 2,3,4,7,8,9,10,11,14,15,17,19,20,21,22,23,24,25,26,27,28,29,30,31/03	SDPUB140	2001	21* 48,49,51/01;8,17,23,32,42,43,44,46,47,48,50/02;4,6,7,8,9,11,12,15,19,21,22,23,24,25,26,31/03	SDPUB200	2002	38* 39,42/02;22,27/03
Region 2	2002	1* 8,15,17,20,21,22,23,24,26,28,30/03	SDPUB141	2001	21* 38/01	<b>USCG LIGHT LIST VOLUMES I - VII</b>		
Region 3	2002	1/03*	SDPUB142	2000	49/00* 3,31,35/01;1,15,43/02	COMDTM165021	2003	17* 18,19,20,21,22,23,24,25,26,27,28,29,30,31/03
Region 4	2002	1* 23/03	SDPUB143	2000	8* 10,19,29/00;16,26/01;1,25/02;9/03	COMDTM165022	2003	17* 18,19,20,21,22,23,24,25,26,27,28,29,30,31/03
Region 5	2002	1* 3,5,8,22,27,30/03	SDPUB145	2000	13* 14,18,19,22,26,32,37,38,46,47,51,53/00;1,4,5,7,10,12,28,29,35,52/01;14,27/02	COMDTM165023	2003	17* 18,19,20,21,23,24,25,26,28,29,31/03
Region 6	2002	1* 10,11,13,16,19,20,21,25,28,30/03	SDPUB147	2001	35/01* 21,22,23,24/02	COMDTM165024	2003	18* 19,20,21,22,23,24,25,26,27,28,29,30,31/03
Region 7	2002	1* 11,15,28/03	SDPUB148	2001	48/01* 23,24/02;22/03	COMDTM165025	2002	16/02*
Region 8	2002	1* 14/03	SDPUB149	2001	6/01* 28,30,41,44,46,47,48,52/02;1,3,4,8,13,15,22,25/03	COMDTM165026	2003	18* 19,20,21,22,23,24,25,26,27,28,29,30,31/03
Region 9	2002	1/03*	SDPUB150	2001	17* 19,31,42,44,45,46,48,50/02;3,14,19,23,30/03	COMDTM165027	2003	18* 19,20,21,22,23,24,26,27,28,30,31/03
Miscellaneous Charts and Publications	2002	1* 2,4,5,6,7,9,11,12,13,15,17,18,19,20,21,23,24,25,27,28,29,30,31/03	SDPUB151	2000	6/01* 28,30,41,44,46,47,48,52/02;1,3,4,8,13,15,22,25/03	<b>FLEET GUIDES</b>		
<b>NIMA LIST OF LIGHTS</b>			SDPUB154	2002	17* 19,31,42,44,45,46,48,50/02;3,14,19,23,30/03	FGPUB940ATL	2001	N47/01*
LLPUB110	2003	7* 8,9,11,13,14,15,16,17,18,20,21,23,24,25,26,27,28,29,31/03	SDPUB155	2001	31* 48/01;10,45,46/02	FGPUB941PAC	2001	N22/01*
LLPUB111	2002	35* 36,37,38,39,40,41,42,43,44,45,46,47,48,50,51,52/02;1,2,3,4,5,6,7,8,9,10,12,15,16,17,18,19,20,21,22,23,24,25,28,29,30,31/03	SDPUB159	2002	42* 48/02	<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
LLPUB112	2003	4* 5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31/03	SDPUB160	2002	47* 48,49,52/02;6,8,10,11,19,21,22,23,30/03	NOSPBCATALOG1	2000	20/00*
LLPUB113	2002	45* 47,48,50,51,52/02;1,2,3,4,5,6,7,8,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31/03	SDPUB161	2002	23* 24,44,47,48/02;5,12/03	NOSPBCATALOG2	2000	34/00*
LLPUB114	2003	17* 19,21,22,23,24,27,31/03	SDPUB162	2001	51/01* 5,12/03	NOSPBCATALOG3	2000	28/00*
LLPUB115	2002	39* 40,41,44,45,50,51,52/02;1,15,19,20,26/03	SDPUB163	2002	18* 20,21,26,46,51/02;13,24,26,27,28,29,30,31/03	NOSPBCATALOG4	2000	34/00*
LLPUB116	2003	24* 26,27,28,29,30,31/03	SDPUB164	2000	30/00* 31,35,36/01;8,28/03	<b>ALMANACS</b>		
<b>SAILING DIRECTIONS</b>			SDPUB171	2001	40* 47,48,52/01;5,9,14,16,41/02;23,24,26/03	AIRALMANAC401	2004	29/03*
CDPUBSD125	2003	19/03*	SDPUB172	2001	1* 2,3,5,6,7,8,9,14,15,16,17,18,19,20,22,24/02;1,11,12,13,14,15,19,20,22,23,25,26,27,28,29,31/03	NAUTALMANAC04	2004	29/03*
CDPUBSD131	2002	9/03*	SDPUB173	2002	50* 51/02;3,22,24,25,26,27/03	<b>COAST PILOT</b>		
CDPUBSD146	2002	4/03*	SDPUB174	2000	7* 19,37,45,51,52/01;1,5,14,19,22,28,33,37,38,48/02;30/03	NOSPBCP1	33	27* 28,29/03
CDPUBSD157	2003	17/03*	SDPUB175	2001	41* 43,45,51/01;8,11,12,13,14,16,17,21,27,37,41,49/02;26,27,29/03	NOSPBCP2	32	17* 18,21,22,26,28,30/03
CDPUBSD158	2003	24/03*	SDPUB180	2002	32* 33,42,47,48,50/02;6,13,14,17,21,24/03	NOSPBCP3	35	3* 5,7,12,15,17,18,21,22,27,28,33,37,42,45,49,51/02;3,10,12,13,14,18,20,27/03
CDPUBSD194	2002	6* 8,15,17,30/03	SDPUB181	2002	38* 39/02	NOSPBCP4	34	49* 51/02;12,14,18,20,21,22,27/03
SDPUB120	2001	12* 18,48,49,51/01;8,13,14,21,22,24,29,33,35,37,42,43,44,45,47/02;4,6,7,8,9,10,11,12,14,17,20,21,23,29,30,31/03	SDPUB182	2001	8* 10,12,41/02;17/03	NOSPBCP5	30	2* 6,10,12,14,18,20,27,30/03
SDPUB123	2001	45* 47,48/01;1,14,17,18,19/02;24,25,27,28/03	SDPUB183	2001	27/01* 13,15,16/02;18/03	NOSPBCP6	33	23* 27,29/03
SDPUB124	2001	18* 44,45,47,48,49,52/01;17,19,20,21,29,30,31,34,46,50/02;24,25,27,28,29,30/03	SDPUB191	2000	5* 7,8,9,10,11,12,13,14,15,16,17,18,19,20,22,23,27,28,29,30,31,33,34,36,44,45,47,48/01;10,14,15,16,17,42,50/02;2,9,12,15,18,22/03	NOSPBCP7	34	1* 3,10,18,20,21,22,27,30/03
SDPUB126	2002	39* 41,42,43,44,45,48/02;24,26,27,28,30/03	SDPUB192	2000	14* 16,17,18,24,26,31,36,38,39,46/00;4,14,17,21,22,23,25,26,28,30,31,32/01;11,12,13,14,15,16,22,23,27,36,37,42,48,52/02;2,4,5,6,7,8,13/03	NOSPBCP8	24	3* 5,16,17,19,23,33,37,40,47,50,51/02;9,18,27/03
SDPUB127	2000	37* 38/00;18,33,40,44,45,48,49,52/01;1,11,13,17,18,27,33,34,37,41,47,49,51/02;5/03	SDPUB193	2000	27* 38,49/00;9,26,27,31,32/01;14,15,26,52/02;18,19,20,23,29/03	NOSPBCP9	21	30/03*
SDPUB132	2000	39* 45/00;16,17,31,35/01;1,12,21,25,26/02;2,10/03	SDPUB195	2002	33* 40,49,51,52/02;1,2,3,15,16,21/03	<b>RADIO NAVIGATIONAL AIDS</b>		
						RAPUB117	2002	50/02* 13/03
						<b>AMERICAN PRACTICAL NAVIGATOR</b>		
						NVPUB9	2002	36/02* 14/03
						<b>INTERNATIONAL CODE OF SIGNALS</b>		
						CDPUBNV102	2003	20/03*
						<b>WORLD PORT INDEX</b>		
						NVPUB150	2000	50/00* 14,15,16,20,21,41,42,43,44,45,46,47,48,49,51,52/01;1,2,5,6,10,11,12,16,19,21,22,27,31,32,33,36,39,40,42,46,49/02;2,7,10,15,20/03
						<b>DISTANCES BETWEEN PORTS</b>		
						NVPUB151	2001	4/02*

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 31/03**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.
<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
CDPUBBNV1310	2001	51/01*
<b>SIGHT REDUCTION TABLES (MARINE)</b>		
SRPUB229V1	1970	11/71*
SRPUB229V2	1970	11/71*
SRPUB229V3	1970	7/71*
SRPUB229V4	1970	3/71*
SRPUB229V5	1970	3/71*
SRPUB229V6	1970	23/70*
<b>SIGHT REDUCTION TABLES (AIR)</b>		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
<b>CHART NO. 1</b>		
WOBZC1	1997	18/98*
<b>CHART NO. 4</b>		
WOBZC4	1988	N23/91*
<b>ATLAS OF PILOT CHARTS</b>		
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
<b>USCG NAVIGATION RULES</b>		
COMDTM166722D	1999	44/99*;52/00
<b>NOS TIDE TABLES</b>		
NOSPBTTWCWPACIN3	2003	N4/03*
NOSPBTTTECSTNSA3	2003	N4/03*
NOSPBTTTEURAFR3	2003	N4/03*
NOSPBTTWCSTNSA3	2003	N4/03*
<b>TIDAL CURRENT TABLES</b>		
NOSPBTCATCSTN3	2003	N4/03*
NOSPBCTPACAS3	2003	N4/03*

## BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

## NAVAREA IV

Messages in force 171200Z July 2003:

2001 series	468(GEN)	261(GEN)	285(11,26)	291(GEN)	295(12,13)
393(GEN)	2003 series	262(11)	286(11)	292(GEN)	296(26)
2002 series	108(26,27)	270(11)	287(GEN)	293(11,28)	
219(GEN)	236(11)	280(24)	289(11,25,26)	294(GEN)	

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

## NAVAREA IV WARNINGS issued from 101200Z to 171200Z July 2003.

284/03. CANCELED.

285/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
  - A. 0400Z TO 0359Z COMMENCING DAILY  
14 THRU 20 JUL IN AREA BOUND BY  
30-45N 080-54W, 30-45N 080-11W,  
30-36N 080-11W, 30-34N 080-33W.
  - B. 0400Z TO 0359Z COMMENCING DAILY  
14 THRU 20 JUL IN AREA BETWEEN  
29-10N 29-20N AND 079-40W 079-50W.
  - C. 1300Z TO 0600Z COMMENCING DAILY  
15 THRU 18 JUL IN AREA BETWEEN  
30-00N 29-50N AND 081-00W 080-50W.
2. CANCEL THIS MSG 210459Z JUL.

(111325Z JUL 2003)

286/03(11). SOUTH CAROLINA.

CHART 11009 (36TH ED).  
KENSINGTON DGPS STATION, 292 KHZ, RANGE 108 MILES,  
ESTABLISHED IN 33-28.8N 079-20.4W.

(111936Z JUL 2003)

287/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 121000Z JUL 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 236(11), 242(11), 261(GEN), 262(11), 270(11),  
276(11,25,26), 280(24), 284(11,28), 285(11,26), 286(11).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL NAVAREA IV 281/03.

(121010Z JUL 2003)

288/03. CANCELED.

289/03(11,25,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 172320Z TO 180147Z JUL, ALTERNATE 182320Z TO 190147Z JUL IN AREAS BOUND BY:
  - A. 28-39N 080-41W, 28-42N 080-28W,  
28-38N 079-14W, 28-34N 079-14W,  
28-28N 080-26W, 28-31N 080-41W.
  - B. 28-56N 079-32W, 28-54N 077-36W,  
28-18N 077-36W, 28-20N 079-32W.
  - C. 27-44N 069-11W, 26-59N 065-56W,  
25-53N 066-11W, 26-38N 069-26W.
  - D. 24-34N 055-44W, 22-51N 050-58W,  
21-03N 051-40W, 22-45N 056-25W.
2. CANCEL THIS MSG 190247Z JUL.

(121220Z JUL 2003)

290/03. CANCELED.

291/03(GEN). NORTH ATLANTIC. ICE.

1. INTERNATIONAL ICE PATROL SERVICES FOR THE 2003 SEASON WILL END WITH THE 171200Z JUL BULLETIN AND CHART.
2. CANCEL THIS MSG 24 JUL.

(140510Z JUL 2003)

- 292/03(GEN). GPS SATELLITE SYSTEM.  
1. PRN 30 UNUSABLE 170415Z TO 171615Z JUL.  
2. CANCEL THIS MSG 171715Z JUL.

(141355Z JUL 2003)

- 293/03(11,28). GULF OF MEXICO. TEXAS.  
1. LORAN-C STATION RAYMONDVILLE, RATES 7980-X AND 9610-Y,  
UNUSABLE 181800Z TO 182000Z JUL.  
2. CANCEL THIS MSG 182100Z JUL.

(151445Z JUL 2003)

- 294/03(GEN). NORTH ATLANTIC. GULF OF MEXICO. NAVTEX.  
NAVTEX STATIONS BOSTON, PORTSMOUTH, MIAMI AND NEW ORLEANS OFF AIR.

(160650Z JUL 2003)

- 295/03(12,13). MASSACHUSETTS. RADIO SERVICES.  
U.S. COAST GUARD STATION BOSTON SITOR AND ICE SITOR OFF AIR.

(160910Z JUL 2003)

- 296/03(26). BAHAMAS. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 171200Z TO 171700Z JUL  
WITHIN 20 MILES OF 21-15N 074-20W.  
2. CANCEL THIS MSG 171800Z JUL.

(161639Z JUL 2003)

## SECTION III

NM 31/03

## HYDROLANTS

Messages in force 171200Z July 2003:

2000 series	2673(GEN)	675(37)	1193(37)	1292(53)	1352(36)
2937(38)	2682(51)	738(35)	1201(57)	1293(35)	1353(GEN)
3762(43)	2848(37)	754(37)	1212(38)	1298(37)	1354(57)
4265(44)	2869(52)	867(37)	1213(35)	1301(37)	1355(52)
2001 series	2882(54)	903(36)	1232(51,52)	1303(54)	1357(53)
611(44)	2883(54)	925(53)	1238(37)	1316(53)	1358(52)
1798(37)	2003 series	948(57)	1239(GEN)	1318(56)	1360(55)
2659(GEN)	41(37)	1048(57)	1242(24)	1332(43)	1361(51,52)
2700(37)	67(37)	1088(57)	1243(54)	1335(56)	1366(52)
3161(44)	76(54)	1096(24)	1244(53)	1337(24)	1368(35)
2002 series	317(37)	1117(37)	1245(36)	1338(52)	1369(35)
245(GEN)	390(22)	1161(51,52)	1253(55)	1340(23,29)	1370(23)
246(GEN)	490(51)	1182(53)	1255(44)	1342(55)	1371(24)
383(53)	544(55)	1183(36)	1258(35)	1343(GEN)	1372(53)
2203(51)	563(37)	1186(43)	1265(52)	1349(36,37)	
2354(53)	604(26,27)	1192(35,43)	1291(37)	1350(GEN)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

**HYDROLANT WARNINGS issued from 101200Z to 171200Z July 2003.**

1333/03 and 1334/03. CANCELED.

1335/03(56). EASTERN MEDITERRANEAN SEA. HAZARDOUS OPERATIONS.

- HAZARDOUS OPERATIONS 0700Z TO 1630Z DAILY 14, 16, 21 AND 23 JUL  
IN AREA BOUND BY 31-56-00N 034-42-10E,  
32-00-00N 034-39-00E, 32-05-20N 034-29-00E,  
31-50-00N 034-19-00E, 31-44-30N 034-31-10E,  
31-50-20N 034-37-20E, 31-51-00N 034-39-40E.
- CANCEL THIS MSG 231730Z JUL.

(102143Z JUL 2003)

1336/03. CANCELED.

1337/03(24). BRAZIL-NORTH COAST.

- CHART 24320 (4TH ED).
- DGPS STATION AT CANIVETE RADIOBEACON 00-30.6N 050-24.9W  
INOPERATIVE UNTIL 20 JUL.
  - CANCEL THIS MSG 21 JUL.

(110740Z JUL 2003)

1338/03(52). SPAIN-SOUTH COAST.

- CONTAINER ADRIFT VICINITY 36-43N 003-08W  
AT 111206Z JUL.
- CANCEL THIS MSG 18 JUL.

(111450Z JUL 2003)

1339/03. CANCELED.

1340/03(23,29). SOUTH ATLANTIC. ICE.

- ICEBERGS REPORTED ON 11 JUL:
  - A-38A, 22 MILES BY 48 MILES IN 58-54S 046-12W.
  - A-38B, 22 MILES BY 25 MILES IN 58-54S 047-30W.
  - A-38C, SEVEN MILES BY 11 MILES IN 58-48S 048-30W.
  - A-38D, TWO MILES BY TEN MILES IN 60-06S 048-48W.
  - A-43B, 13 MILES BY 40 MILES IN 54-24S 039-06W.
  - A-43C, 24 MILES BY 41 MILES IN 57-48S 033-12W.
  - A-43G, EIGHT MILES BY 49 MILES IN 48-54S 024-00W.
  - A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
  - A-46, FOUR MILES BY 11 MILES IN 53-48S 043-54W.
  - A-47, NINE MILES BY 14 MILES IN 52-18S 047-36W.
  - A-48, NINE MILES BY TEN MILES IN 59-06S 049-24W.
  - A-50, ONE MILE BY TEN MILES IN 59-00S 050-30W.
  - B-09A, 15 MILES BY 22 MILES IN 51-30S 020-36W.
- CANCEL HYDROLANT 1311/03.
- CANCEL THIS MSG 19 JUL.

(120256Z JUL 2003)

1341/03. CANCELED.

1342/03(55). DARDANELLES.

1. PIPELAYING OPERATIONS IN PROGRESS UNTIL  
30 OCT ALONG TRACKLINE BETWEEN  
40-59.8N 029-00.2E AND 41-00.0N 028-59.6E.
2. CANCEL THIS MSG 31 OCT.

(120840Z JUL 2003)

1343/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 121200Z JUL 2003. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 1088(57), 1096(24), 1117(37), 1161(51,52),  
1182(53), 1183(36), 1186(43), 1192(35,43), 1193(37), 1201(57),  
1212(38), 1213(35), 1232(51,52), 1238(37), 1239(GEN), 1242(24),  
1243(54), 1244(53), 1245(36), 1246(53), 1253(55), 1255(44),  
1258(35), 1265(52), 1291(37), 1292(53), 1293(35), 1295(51,52),  
1298(37), 1300(37), 1301(37), 1303(54), 1306(55), 1308(42),  
1310(37), 1316(53), 1317(53), 1318(56), 1320(42), 1322(24),  
1323(52), 1324(36), 1331(23,24), 1332(43), 1335(56), 1337(24),  
1338(52), 1340(23,29), 1341(24), 1342(55).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 12 DEC 2002  
IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE  
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL HYDROLANT 946/02, 1070/03, 1146/03, 1194/03, 1319/03.

(121140Z JUL 2003)

1344/03 thru 1348/03. CANCELED.

1349/03(36,37). ENGLAND-SOUTHWEST COAST.

- CHART 36182 (6TH ED).  
FISHING NET MARKED BY TWO RED BUOYS REPORTED WITHIN  
0.5 MILES OF 50-05.0N 005-53.8W AT 130939Z JUL.

(131230Z JUL 2003)

1350/03(GEN). NORTH ATLANTIC. ICE.

1. INTERNATIONAL ICE PATROL SERVICES  
FOR THE 2003 SEASON WILL END WITH  
THE 171200Z JUL BULLETIN AND CHART.
2. CANCEL THIS MSG 24 JUL.

(140520Z JUL 2003)

1351/03. CANCELED.

1352/03(36). IRISH SEA.

1. UNDERWATER OPERATIONS IN PROGRESS UNTIL FURTHER NOTICE  
BY CABLESHIP WAVE SENTINEL VICINITY 53-48N 004-35W.  
WIDE BERTH REQUESTED.
2. CANCEL HYDROLANT 1324/03.

(141246Z JUL 2003)

1353/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 30 UNUSABLE 170415Z TO 171615Z JUL.
2. CANCEL THIS MSG 171715Z JUL.

(141359Z JUL 2003)

1354/03(57). SOUTH ATLANTIC.

- DISTRESS SIGNAL RECEIVED VICINITY 26-37S 013-54W.  
VESSELS IN VICINITY REQUESTED TO KEEP  
A SHARP LOOKOUT. ASSIST IF POSSIBLE.  
REPORTS TO ANY COASTAL RADIO STATION.

(141711Z JUL 2003)

1355/03(52). SPAIN-SOUTH COAST.

- CHART 52051 (1ST ED).  
1. ODAS BUOY 36-42.8N 002-12.2W MISSING.  
2. CANCEL HYDROLANT 1323/03.

(141823Z JUL 2003)

1356/03. CANCELED.

1357/03(53). IONIAN SEA.

1. UNDERWATER OPERATIONS 16 THRU 23 JUL BY M/V THETIS:
  - A. WITHIN FOUR MILES OF 36-25.0N 016-04.0E.
  - B. WITHIN TWO MILES OF 37-29.8N 015-24.0E.  
3000 METER BERTH REQUESTED.
2. CANCEL THIS MSG 24 JUL.

(150910Z JUL 2003)

## SECTION III

NM 31/03

- 1358/03(52). WESTERN MEDITERRANEAN SEA.  
1. UNDERWATER OPERATIONS 16 THRU 19 JUL BY  
M/V LE SUROIT VICINITY OF TRACKLINE JOINING  
40-25N 003-00E, 40-56N 004-05E, 41-35N 006-00E.  
2. CANCEL THIS MSG 20 JUL. (151450Z JUL 2003)
- 1359/03. CANCELED.
- 1360/03(55). BLACK SEA. MISSILES.  
1. HAZARDOUS OPERATIONS 0200Z TO 1500Z DAILY  
17 THRU 19 JUL IN AREA BOUND BY  
45-06.2N 036-54.2E, 45-01.7N 037-08.4E, 44-54.0N 037-04.0E,  
44-40.0N 037-12.0E, 44-36.0N 037-12.2E, 44-32.8N 036-52.5E,  
44-36.2N 036-32.5E, 44-40.0N 036-33.2E, 44-54.0N 036-41.0E,  
45-01.5N 036-36.5E, 45-06.2N 036-50.6E.  
2. CANCEL THIS MSG 191600Z JUL. (151749Z JUL 2003)
- 1361/03(51,52). STRAIT OF GIBRALTAR.  
CABLE OPERATIONS IN PROGRESS UNTIL FURTHER  
NOTICE VICINITY 36-06.7N 005-50.5W. (160017Z JUL 2003)
- 1362/03 thru 1365/03. CANCELED.
- 1366/03(52). SPAIN-EAST COAST. NAVTEX.  
NAVTEX STATION CABO DE LA NAO OFF AIR. (161657Z JUL 2003)
- 1367/03. CANCELED.
- 1368/03(35). ORKNEY ISLANDS.  
CHART 35200 (7TH ED).  
TOR NESS LIGHT 58-47N 003-18W UNLIT. (170128Z JUL 2003)
- 1369/03(35). ORKNEY ISLANDS.  
CHART 35135 (1ST ED).  
NOUP HEAD LIGHT 59-20N 003-04W AT REDUCED INTENSITY. (170141Z JUL 2003)
- 1370/03(23). SOUTH ATLANTIC.  
1. DERELICT F/V EL SANTO ADRIFT VICINITY 45-07S 065-12W.  
2. CANCEL THIS MSG 24 JUL. (170223Z JUL 2003)
- 1371/03(24). BRAZIL-SOUTH COAST.  
1. SEISMIC SURVEY IN PROGRESS UNTIL 180300Z JUL  
BY M/V THALES VENTURER IN AREA BETWEEN  
23-50S 24-10S AND 042-40W 043-00W.  
WIDE BERTH REQUESTED.  
2. CANCEL THIS MSG 180400Z JUL. (170650Z JUL 2003)
- 1372/03(53). TYRRHENIAN SEA.  
1. 20 METER LONG OBJECT ADRIFT IN 38-27.2N 013-17.1E.  
2. CANCEL THIS MSG 24 JUL. (171150Z JUL 2003)

SECTION III

NM 31/03

NAVAREA XII

Messages in force 171200Z July 2003:

2001 series	2002 series	339(GEN)	166(19)	177(19)	180(GEN)
298(GEN)	178(GEN)	2003 series	169(GEN)	178(GEN)	181(18)

The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

NAVAREA XII WARNINGS issued from 101200Z to 171200Z July 2003.

177/03(19). NORTH PACIFIC.

- 1. DERELICT 27 FOOT S/V OKIE MURU  
ADRIFT IN 27-42.3N 142-27.3W.
- 2. CANCEL THIS MSG 18 JUL.

(111700Z JUL 2003)

178/03(GEN).

- 1. NAVAREA XII MESSAGES IN FORCE 121000Z JUL 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 166(19), 169(GEN), 176(18), 177(19).
- 2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
- 3. CANCEL NAVAREA XII 175/03.

(121020Z JUL 2003)

179/03. CANCELED.

180/03(GEN). GPS SATELLITE SYSTEM.

- 1. PRN 30 UNUSABLE 170415Z TO 171615Z JUL.
- 2. CANCEL THIS MSG 171715Z JUL.

(141402Z JUL 2003)

181/03(18). EASTERN NORTH PACIFIC. MISSILES.

- 1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:
 

A. 34-02N 119-04W.	M. THENCE THREE NAUTICAL MILES FROM AND PARALLEL
B. 33-52N 119-06W.	TO THE SHORELINE.
C. 33-29N 119-07W.	N. 34-24N 120-30W.
D. 33-29N 118-37W.	O. 34-08N 120-26W.
E. 33-20N 118-37W.	P. 34-08N 119-40W.
F. 32-11N 120-16W.	Q. 34-00N 119-40W.
G. 31-54N 121-35W.	R. 34-06N 119-13W.
H. 35-09N 123-39W.	S. 34-06N 119-11W.
I. 35-29N 123-00W.	T. 34-07N 119-10W.
J. 35-04N 122-43W.	U. 34-07N 119-07W.
K. 35-57N 121-32W.	V. 34-04N 119-04W.
L. 34-59N 120-42W.	
- 2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
- 3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
- 4. CANCEL NAVAREA XII 176/03.

(170940Z JUL 2003)

## HYDROPACS

Messages in force 171200Z July 2003:

2001 series	207(62)	895(62)	1036(81)	1146(62)	1215(95,96)
1647(GEN)	445(96)	909(94,97)	1041(71)	1147(81)	1217(22)
1976(62)	495(62)	932(62)	1047(76,83)	1150(63)	1219(75)
2002 series	496(62)	940(71)	1057(81)	1167(83)	1220(62)
146(62)	506(62)	952(71,93)	1063(91)	1171(62)	1222(62)
205(GEN)	514(73)	956(83)	1069(74)	1174(83)	1223(63)
206(GEN)	515(73)	959(62)	1091(61)	1175(83)	1224(63)
207(93)	525(73,74)	960(63)	1094(95)	1183(61)	1225(GEN)
352(73)	570(62)	962(91)	1095(94,95)	1186(83)	1226(83)
403(72,73)	638(62)	968(74)	1096(95)	1187(61)	1227(74)
637(75)	647(74)	973(81)	1097(94,95)	1188(81)	1228(63)
828(62)	649(71,93)	982(97)	1098(94,95)	1191(63)	1230(97)
1765(71)	667(62)	985(97)	1099(94,95)	1195(74)	1231(81)
2191(22)	743(62)	992(62)	1101(GEN)	1197(61,62)	1235(81)
2199(63)	744(29)	993(62)	1105(61)	1198(92)	1239(74)
2277(GEN)	760(63)	998(71)	1106(61)	1201(63)	1240(63)
2330(62)	761(63)	1004(62)	1110(61)	1202(63)	1241(74)
2339(63)	777(62)	1007(76)	1119(71)	1206(23,29)	1242(62)
2402(22)	787(73)	1010(63)	1124(96)	1208(GEN)	
2003 series	801(72)	1018(97)	1133(71)	1209(96)	
100(29)	816(94,97)	1024(97)	1134(71)	1211(95,96)	
167(95)	819(62)	1027(81)	1135(96)	1212(62)	
197(71)	880(63)	1031(62)	1141(63)	1213(73)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02. Warnings issued during the subsequent quarters are issued in NM 13/03 and 26/03.

**HYDROPAC WARNINGS issued from 101200Z to 171200Z July 2003.**

1191/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY 14 THRU 21 JUL  
 IN AREA BETWEEN 15-11N 15-13N AND 073-52E 073-57E.  
 2. CANCEL THIS MSG 211330Z JUL.

(101415Z JUL 2003)

1192/03 thru 1194/03. CANCELED.

1195/03(74). AUSTRALIA-NORTHWEST COAST.  
 1. DERELICT TEN METER VESSEL PARTIALLY SUBMERGED AND  
 ADRIFT VICINITY 12-12S 122-54E AT 110421Z JUL.  
 2. CANCEL THIS MSG 18 JUL.

(110705Z JUL 2003)

1196/03. CANCELED.

1197/03(61,62). SOMALIA-EAST COAST.  
 1. M/V HIMBOL SUNK VICINITY 10-54N 052-28E. TWO PERSONS  
 MISSING VICINITY 11-00N 052-31E AT 102020Z JUL.  
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
 LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JRCC STAVANGER,  
 TELEX: 5633163, PHONE: 475 151 7000, FAX: 475 165 2334.  
 2. CANCEL HYDROPAC 1193/03.

(110750Z JUL 2003)

1198/03(92). SULU SEA.  
 CHART 92500 (1ST ED).  
 UNCOVERED ROCK REPORTED VICINITY 10-24.8N 119-56.6E.

(110950Z JUL 2003)

1199/03 and 1200/03. CANCELED.

1201/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 0230Z TO 1130Z DAILY 15 THRU 21 JUL  
 WITHIN 25 MILES OF 14-01.0N 074-19.6E.  
 2. CANCEL THIS MSG 211230Z JUL.

(111230Z JUL 2003)

1202/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0330Z TO 1530Z DAILY 15 AND 18 JUL  
IN AREA BOUND BY 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
09-40.0N 076-14.5E, 09-42.5N 076-09.5E.
2. CANCEL THIS MSG 181630Z JUL.

(111240Z JUL 2003)

1203/03 thru 1205/03. CANCELED.

1206/03(23,29). SOUTH ATLANTIC. ANTARCTICA. ICE.

1. ICEBERGS REPORTED ON 11 JUL:
  - A. A-38A, 22 MILES BY 48 MILES IN 58-54S 046-12W.
  - B. A-38B, 22 MILES BY 25 MILES IN 58-54S 047-30W.
  - C. A-38C, SEVEN MILES BY 11 MILES IN 58-48S 048-30W.
  - D. A-38D, TWO MILES BY TEN MILES IN 60-06S 048-48W.
  - E. A-43C, 24 MILES BY 41 MILES IN 57-48S 033-12W.
  - F. A-43I, TWO MILES BY 12 MILES IN 59-12S 035-48W.
  - G. A-48, NINE MILES BY TEN MILES IN 59-06S 049-24W.
  - H. A-49, ONE MILE BY TEN MILES IN 63-06S 052-00W.
  - I. A-50, ONE MILE BY TEN MILES IN 59-00S 050-30W.
2. CANCEL HYDROPAC 1168/03.
3. CANCEL THIS MSG 19 JUL.

(120313Z JUL 2003)

1207/03. CANCELED.

1208/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 121200Z JUL 2003. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2003 SERIES: 940(71), 952(71,93), 956(83), 959(62), 960(63),  
962(91), 968(74), 973(81), 982(97), 985(97), 992(62),  
993(62), 998(71), 1004(62), 1007(76), 1010(63), 1018(97),  
1024(97), 1027(81), 1031(62), 1036(81), 1041(71), 1047(76,83),  
1057(81), 1063(91), 1069(74), 1091(61), 1094(95), 1095(94,95),  
1096(95), 1097(94,95), 1098(94,95), 1099(94,95), 1101(GEN),  
1105(61), 1106(61), 1110(61), 1117(62), 1118(62), 1119(71),  
1120(93), 1124(96), 1133(71), 1134(71), 1135(96), 1141(63),  
1146(62), 1147(81), 1150(63), 1167(83), 1171(62), 1174(83),  
1175(83), 1183(61), 1184(95,96), 1185(22), 1186(83),  
1187(61), 1188(81), 1189(22), 1190(62), 1191(63), 1195(74),  
1196(81), 1197(61,62), 1198(92), 1199(95,96), 1200(96),  
1201(63), 1202(63), 1204(61), 1206(23,29), 1207(63).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002  
IS GIVEN IN SEC III OF NM 52/02. WARNINGS ISSUED DURING THE  
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 13/03.
3. CANCEL HYDROPAC 908/03, 935/03, 1181/03.

(121150Z JUL 2003)

1209/03(96). SEA OF JAPAN. MISSILES.

1. HAZARDOUS OPERATIONS 2300Z TO 0200Z COMMENCING DAILY  
17 AND 18 JUL AND 0400Z TO 0700Z DAILY 18 AND 19 JUL  
IN AREA BOUND BY 42-20N 131-41E, 42-40N 131-41E,  
42-38N 132-15E, 42-20N 132-15E.
2. CANCEL THIS MSG 190800Z JUL.

(121225Z JUL 2003)

1210/03. CANCELED.

1211/03(95,96). SEA OF JAPAN. MISSILES.

1. HAZARDOUS OPERATIONS 2100Z TO 0001Z COMMENCING  
DAILY 16 AND 17 JUL IN AREA BETWEEN  
41-40N 42-01N AND 131-41E 132-05E.
2. CANCEL THIS MSG 180101Z JUL.

(121250Z JUL 2003)

1212/03(62). RED SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0300Z TO 1500Z DAILY  
15 THRU 21 JUL IN AREA BOUND BY  
21-06.0N 038-58.5E, 21-05.5N 039-07.0E,  
21-13.5N 039-06.2E, 21-13.4N 038-58.5E.
2. CANCEL THIS MSG 211600Z JUL.

(121405Z JUL 2003)

1213/03(73). PAPUA NEW GUINEA-SOUTHEAST COAST.

- CHART 73601 (3RD ED).  
STRATHORD ISLANDS LIGHT 10-13.3S 151-52.0E UNLIT.

(121429Z JUL 2003)

1214/03. CANCELED.

## SECTION III

NM 31/03

- 1215/03(95,96). SEA OF JAPAN. MISSILES.  
1. HAZARDOUS OPERATIONS 0300Z TO 0400Z DAILY  
17 AND 18 JUL IN AREA BOUND BY  
41-47N 131-42E, 42-07N 131-42E,  
42-15N 132-31E, 41-41N 132-31E,  
41-40N 131-41E.  
2. CANCEL THIS MSG 180500Z JUL.  
(121533Z JUL 2003)
- 1216/03. CANCELED.
- 1217/03(22). SOUTH PACIFIC. CHILE.  
1. DERELICT M/V PAM KOFUKO MARU ADRIFT  
VICINITY 31-25S 079-09W.  
2. CANCEL THIS MSG 19 JUL.  
(122255Z JUL 2003)
- 1218/03. CANCELED.
- 1219/03(75). INDIAN OCEAN. ICE.  
1. LARGE ICEBERG REPORTED IN 50-00S 111-30E AT 130637Z JUL.  
2. CANCEL THIS MSG 20 JUL.  
(130800Z JUL 2003)
- 1220/03(62). GULF OF SUEZ. EGYPT.  
CHART 62195 (7TH ED).  
1. RACON AT RAS GHARIB LIGHT 28-21N 033-07E TEMPORARILY REMOVED.  
2. CANCEL HYDROPAC 1117/03 AND 1118/03.  
(140705Z JUL 2003)
- 1221/03. CANCELED.
- 1222/03(62). GULF OF SUEZ. EGYPT.  
CHART 62195 (7TH ED).  
RACON AT AIN SUKHNA LIGHT 29-36N 032-21E TEMPORARILY REMOVED.  
(140715Z JUL 2003)
- 1223/03(63). INDIA-WEST COAST. ROCKETS.  
1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY  
16 AND 17 JUL WITHIN 75 MILES OF  
08-31.9N 076-52.1E.  
2. CANCEL THIS MSG 171700Z JUL.  
(141134Z JUL 2003)
- 1224/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
1. HAZARDOUS OPERATIONS 170230Z TO 170530Z AND  
171230Z TO 171430Z JUL IN AREA BOUND BY  
17-42.2N 083-18.6E, 17-42.1N 083-29.9E,  
17-36.7N 083-28.5E, 17-32.7N 083-24.3E.  
2. CANCEL THIS MSG 171530Z JUL.  
(141145Z JUL 2003)
- 1225/03(GEN). GPS SATELLITE SYSTEM.  
1. PRN 30 UNUSABLE 170415Z TO 171615Z JUL.  
2. CANCEL THIS MSG 171715Z JUL.  
(141344Z JUL 2003)
- 1226/03(83). FIJI ISLANDS.  
CHART 83034 (1ST ED).  
LIGHTS UNLIT:  
1. CAPE WASHINGTON LIGHT 19-07S 177-58E.  
2. VANUATABU LIGHT 19-02S 178-29E.  
3. YACIWA ISLAND LIGHT 18-08S 179-21E.  
4. POINT REEF LIGHT 16-50S 179-16E.  
(150710Z JUL 2003)
- 1227/03(74). AUSTRALIA-NORTHWEST COAST.  
1. PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER  
NOTICE BY BARGE SEMAC I ALONG TRACKLINE BETWEEN  
20-05.3S 116-34.2E AND 19-35.0S 116-08.0E.  
2.5 MILE BERTH REQUESTED.  
2. CANCEL HYDROPAC 1204/03(61), SEARCH SUSPENDED.  
(150920Z JUL 2003)
- 1228/03(63). ANDAMAN ISLANDS.  
CHART 63380 (1ST ED).  
NORTH CINQUE ISLAND LIGHT 11-19.6N 092-43.8E UNLIT.  
(151214Z JUL 2003)

1229/03. CANCELED.

1230/03(97). NORTH PACIFIC.

MAN OVERBOARD FROM F/V MANSEI MARU NO.1 VICINITY 30-27N 140-17E  
AT 150900Z JUL. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP  
LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO JAPAN COAST GUARD.

(151502Z JUL 2003)

1231/03(81). NORTH PACIFIC. MISSILES.

1. HAZARDOUS OPERATIONS 211900Z TO 220700Z JUL  
WITHIN TEN MILES OF 16-01N 146-04E.  
2. CANCEL THIS MSG 220800Z JUL.

(161010Z JUL 2003)

1232/03 thru 1234/03. CANCELED.

1235/03(81). NORTH PACIFIC.

AIRCRAFT UNREPORTED. LAST KNOWN POSITION VICINITY  
11-30N 142-00E AT 160930Z JUL. VESSELS IN  
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO RCC GUAM, TELEX: 392401.

(161343Z JUL 2003)

1236/03 thru 1238/03. CANCELED.

1239/03(74). ARAFURA SEA.

1. DERELICT M/V ADRIFT VICINITY 10-59S 139-58E  
AT 162320Z JUL.  
2. CANCEL HYDROPAC 1237/03(83).  
3. CANCEL THIS MSG 24 JUL.

(170300Z JUL 2003)

1240/03(63). ANDAMAN ISLANDS.

CHART 63390 (1ST ED).  
KOBRA ISLAND LIGHT 07-17.3N 093-50.3E UNLIT.

(170920Z JUL 2003)

1241/03(74). AUSTRALIA-EAST COAST.

TEN METER S/V ASTRID, ONE PERSON ON BOARD, DISMASTED  
AND ADRIFT VICINITY FRASER ISLAND (25-00S 153-00E).  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,  
TELEX: 7162025, PHONE: 612 6230 6811, FAX: 612 6230 6868.

(171050Z JUL 2003)

1242/03(62). RED SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0300Z TO 1500Z DAILY  
20 THRU 23 JUL IN AREA BOUND BY  
25-39.0N 036-01.0E, 25-50.0N 036-31.0E,  
24-18.5N 037-31.0E, 24-10.0N 036-50.0E.  
2. CANCEL THIS MSG 231600Z JUL.

(171140Z JUL 2003)

### MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 17 July 2003: 00-7, 01-1, 01-7, 02-2, 02-5, 02-7 and 03-4.

**SPECIAL WARNINGS**

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002 and in Notice to Mariners 14/03.

SPECIAL WARNINGS in force 17 July 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

**MARINE INFORMATION****NEW EDITION OF SUMMARY OF CORRECTIONS**

Summary of Corrections for the Eastern Pacific, Antarctica, Indian Ocean and Australasia (Subregions 16 thru 19, 21, 22 and 29, Regions 6 and 7), Volume 3, 2003 Edition, is ready for issue. This publication has been corrected to 12 April 2003, including Notice to Mariners No. 15 of 2003.

This edition is produced by NIMA in digital format only, available on CD-ROM and includes the digital chart correction graphics in their full original color.

Customers requiring paper versions of NIMA products may purchase them through the U.S. Government Printing Office (GPO) Superintendent of Documents. The NIMA point of contact for this effort is Mr. Adam Veracka (301)227-3173.

## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

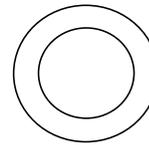
Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).





**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL IMAGERY AND MAPPING AGENCY  
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**ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET**

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address \_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

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\_\_\_\_\_

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

\_\_\_\_\_

Date of Insertion \_\_\_\_\_ Date of Removal \_\_\_\_\_

If observed, Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_

Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

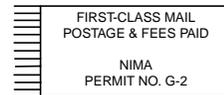
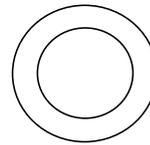
Details of Information Reported (continue on additional sheets as necessary): \_\_\_\_\_

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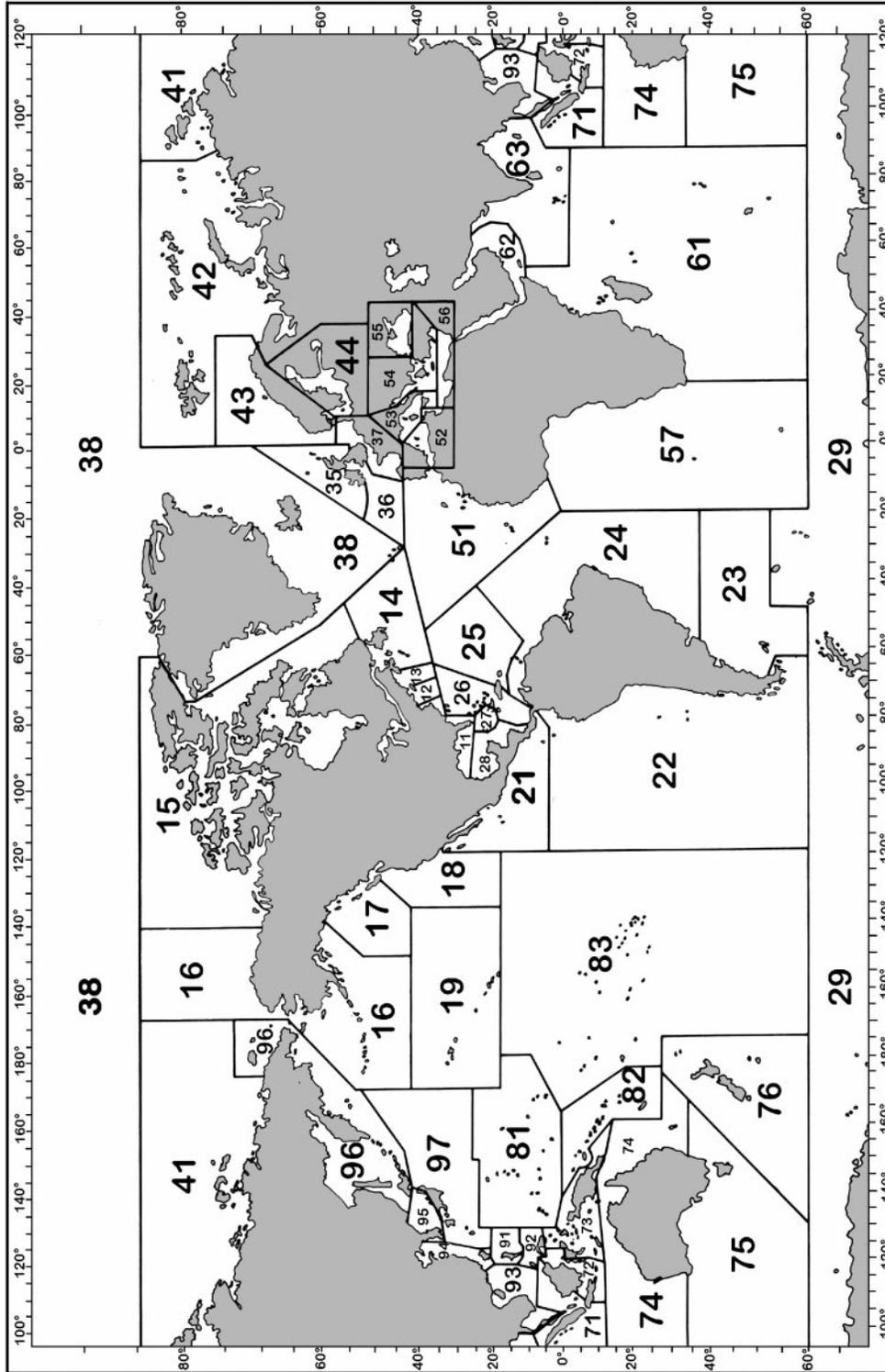


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# GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

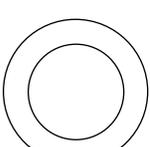
DEFENSE SUPPLY CENTER RICHMOND

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RICHMOND, VIRGINIA 23297-5338

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TIME—DATED



**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**